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No. 17] NEW DELHI, SATURDAY, APRIL 25, 1998 (VAISAKHA 5, 1920)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित सूचनाएँ और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

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Calcutta, the 25th April 1998

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and Aminidivi Islands.

Telegraphic address "PATENTOFFIS".

Patent Office (Head Office),
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Building, 5th, 6th and 7th
Floor, 234/4, Acharya Jagadish
Bose Road, Calcutta-700 020.

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पेटेंट कार्यालय

एकसूत्र तथा अशिक्षित

कलकत्ता, दिनांक 25 अप्रैल 1998

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा बम्बई, दिल्ली एवं चेन्नई में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जेल के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टांको हाउस,
तीसरा तल, लोवर पार्क (प.),
मुम्बई-400013 ।

जरात, महाराष्ट्र, मध्य प्रदेश
तथा गुजरात राज्य क्षेत्र एवं संघ
शासित क्षेत्र, दमन तथा दीव एवं,
शहर और नगर हवेली ।

तार पता - "पेटेंटोफिस"

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110 005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू
तथा कश्मीर, पंजाब, राजस्थान,
उत्तर प्रदेश तथा दिल्ली राज्य
क्षेत्र एवं संघ शासित क्षेत्र चंडीगढ़ ।

तार पता - "पेटेंटोफिस"

पेटेंट कार्यालय शाखा,
विंग "सी" (सी-4, ए),
तीसरा तल, राजाजी भवन,
बसन्त नगर, चेन्नई-600090 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु
तथा पाण्डिचेरी राज्य क्षेत्र एवं
संघ शासित क्षेत्र, लक्षद्वीप, मिनीकाय
तथा एमिनिदिवि द्वीप ।

तार पता - "पेटेंटोफिस"

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, विवनीय बहुतलीय कार्यालय
भवन, 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस मार्ग,
कलकत्ता-700 020 ।

भारत का अवशेष क्षेत्र ।

तार पता - "पेटेंटोफिस"

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में
अपीलित सभी आवेदन-पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट
कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे ।

शुल्क : शुल्कों की अवधि या तो नकद की जाएगी अथवा
उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा
ड्राफ्ट अथवा या जहां उपयुक्त कार्यालय अवस्थित है, उस स्था
के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा
चैक द्वारा की जा सकती है ।

CORRIGENDUM

In the Gazette of India, Part III, Section 2 dt. 7-2-1998
under heading application for Patent filed at the Head
Office, 234/4, Acharya Jagadish Bose Road, Calcutta-20,
dated 23-12-1997 (Page 242) in respect of Patent Appln. No.
2430/Cal/97 the portion "(Convention No. M196/V000344
on 23-12-97 in Italy)" shall be deleted, which was inadver-
tently printed.

APPLICATION FOR THE PATENT FILED AT THE
HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE
ROAD, CALCUTTA-20.

The dates shown in the crescent bracket are the dates
claimed under section on 135, under Patent Act, 1970.

11-03-1998

393/Cal/98 1. Ramanathan Athappan 2. Steel Authority
of India Ltd., "An improved system for main-
taining the reflow adiabatic flame temperature
(RAFT) at an optimum level in a blast fur-
nace".

394/Cal/98 Merck Patent Gesellschaft Mit Beschränkter
Haftung, "Pharmaceutical preparation". (Con-
vention No. 19710054.6 on 12-3-1997 in Ger-
many).

395/Cal/98 Deere & Company, "Tractor mounted harvester
with quick attach structure". (Convention No.
08/815,765 on 12-3-97 in U.S.A.).

396/Cal/98 Matsushita Electric Industrial Co. Ltd., "Radio
receiving method and radio receiving apparatus".
(Convention No. 9-85634 on 20-3-1997 in
Japan).

397/Cal/98 Engelhard Corporation, "Novel hybrid zeoliti-
silica composition". (Convention No. 08/824,597
on 26-3-97; 08/851,039 on 10-7-97 & 09/
on 25-2-98 in U.S.A.).

398/Cal/98 Thyssen Krupp Stahl AG., "Method of produc-
ing steel strip with a high strength and good
workability". (Convention No. 19710125.9 on
13-3-97 in Germany).

399/Cal/98 Mitutoyo Corporation, "Micrometer". (Conven-
tion No. 9-57643 on 12-3-97 & 9-37644 on 12-3-
97 in Japan).

400/Cal/98 Daikin Industries Ltd., "Polytetrafluoroethylene granular powder containing no filler and preparation process of same". (Convention No. 84489)/1997 on 17-3-97 & 367319/1997 on 24-12-97 in Japan.

401/Cal/98 Vastar Resources, Inc., "Method for treatment of subterranean coal formation and recovery of methane thereby". (Convention No. 08/846,994 on 30-4-97 in U.S.A.).

ALTERATION OF DATE U/S-16

Patent No. 181164 (135/Mas/93) Ante-dated to 11th April, 1989.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

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स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बन्ध आवेदनों में से किसी पर पेटेंट अनुदान के विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अग्रिम एसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर बाधित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकत्र के उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी निहित दस्तावेज उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संबंध में नीचे दिए बर्गीकरण, भारतीय बर्गीकरण तथा अंतर-राष्ट्रीय बर्गीकरण के अनुक्रम हैं।"

स्पाकन (चित्र आरेखों) को फंदा प्रतियां, यदि कोई हो, के साथ विनिर्देशों की बर्गीकृत अथवा फंदा प्रतियां की बर्गीकृत पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिससे उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी मंदायगी पर की जा सकती है। विनिर्देश को पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे निर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गुणा करके, (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फंदा लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Ind. Cl. : 129 G & Q

181101

Int. Cl. : H 05 H 1/26.

A PLASMA TORCH WITH NON-TRANSFERRED ARC FOR SUPPLYING ENERGY FOR CHEMICAL PROCESSES.

Applicant : KVAERNER ENGINEERING A. S., A NORWEGIAN CO. OF PROF. KOHTSVEI 5, N-1324 LYSAKER, NORWAY.

Inventors :

1. STEINER LYNUM
2. KJELL HAUGSTEN
3. KETIL HOX
4. JAN HUGDAHL
5. NILS MYKLEBUST.

Application No. 738/Mas/92 dated 9th December 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

4 Claims

A plasma torch with non-transferred arc for supplying energy for chemical processes, the said plasma torch comprising plurality of tubular electrodes located coaxially inside one another, wherein the electrodes are electrically insulated one another, have connections for electrical current and are connected to alternating or direct current, and are equipped with an axial magnetic field in the arc's operational area, wherein the electrodes are composed of a non-metallic material with a high melting point, and wherein plasma-forming gas and/or reactant are supplied through the central electrode and in the annular spaces between the electrodes, characterized in that at least three electrodes (1), auxiliary electrode (2) and central electrode (3), wherein the said three electrodes (1, 2 and 3) are moveable axially in relation to one another and wherein the auxiliary electrode (2) constitutes an ignition electrode which is electrically connected to one of the other electrodes (1, 3) these two electrodes (2, 1) or (2, 3) have the same polarity and voltage, and wherein the auxiliary electrode (2) during operation is withdrawn from the plasma zone.

(Compl. Specn. 14 pages)

Drw. 1 sheet)

Ind. Cl. : 139 A & D

181102

Int. Cl. : C01B 3/00, 31/00.

AN IMPROVED PROCESS OF PYROLYTIC DECOMPOSITION OF HYDROCARBONS INTO CARBON AND HYDROGEN.

Applicant : KVAERNER ENGINEERING A. S. OF PROF. KOHTSVEI 5, N-1324 LYSAKER, NORWAY (A NORWEGIAN COMPANY).

Inventors :

1. STEINAR LYNUM
2. KJELL HAUGSTEN
3. KETIL HOX
4. JAN HUGDAHL
5. NILS MYKLEBUST.

Application No. 740/Mas/92 dated 9th December 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

3 Claims

An improved process of pyrolytic decomposition of hydrocarbons into carbon and hydrogen characterised in that CO₂ or H₂O is supplied in gas form as a cleansing agent to the gaps, pipes and openings of a plasma torch as well as near the walls of a reaction chamber for removal of fouling by oxidation.

(Compl. Specn. 7 pages;

Drawg. 1 sheet.)

Ind. Cl. : 206 E

181103

Int. Cl.⁴ : H 05 H 01/34,
H 05 H 01/26.

A PLASMA TORCH DEVICE.

Applicant : KVAERNER ENGINEERING A.S., A NORWEGIAN COMPANY, OF PROF. KOHTSVEI 5, N-1324 LYSAKER NORWAY.

Inventors :

1. JAN HUGDAHL
2. NILS MYKLEBUST
3. KETIL HOX
4. STEINAR LYNUM
5. KJELL HAUGSTEN.

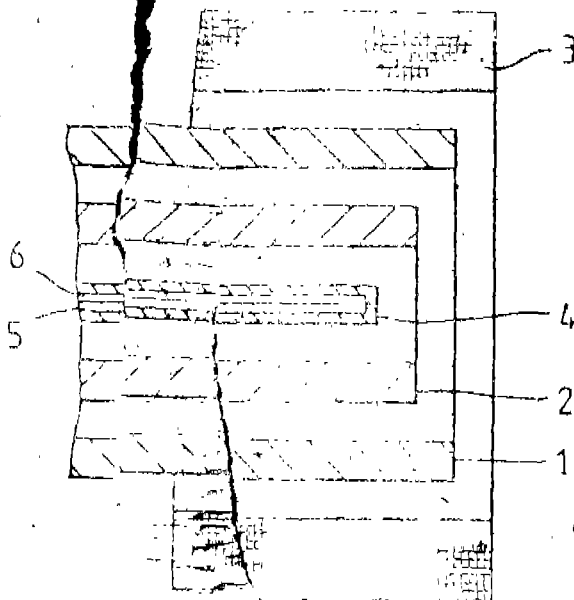
Application No. 742/Mas/92 filed on 9-12-1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

5 Claims

A plasma torch device, supplied with a preferably axial magnetic field in the arc's area of operation in order to rotate the arc around the torch's centre axis, characterized in that at least one body of a ferromagnetic material is placed in or along the torch's centre axis with one end located closed to the arc's area of operation and that the said body extends from an area with the strongest and preferably constant axial magnetic field to the arc's area of operation and that the said body is movable in the axial directions.

Reference is made to: DE 1 300 182; No. 914907 and Indian Application.



(Compl. Specn. 11 pages;

Drawg. 2 sheets.)

Ind. Cl. : 206 E

181104

Int. Cl.⁴ : H05H 1/34.

A PLASMA TORCH DESIGNED FOR CHEMICAL TREATMENT.

Applicant : KVAERNER ENGINEERING A.S., A NORWEGIAN COMPANY, OF PROF. KOHTSVEI 5, N-1324 LYSAKER, NORWAY.

Inventors :

1. STEINAR LYNUM
2. KJELL HAUGSTEN
3. KETIL HOX
4. JAN HUGDAHL
5. NILS MYKLEBUST.

Application No. 743/Mas/92 dated 9th December 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

2 Claims

A plasma torch (1) designed for chemical treatment provided with a lead-in tube (5) for the supply of reactant wherein the lead-in tube (5) is located centrally in the inner electrode (3) of a plasma torch (1) said plasma torch (1) comprising two or more tubular electrodes (2, 3) located coaxially inside each other and wherein the lead-in tube (5) is fluid cooled and wherein the outer surface (7) and lower surface (9) are provided with a thermally insulating coating (10, 11), characterized in that the position of the lead-in tube (5) is moveable in the axial direction, the lower part (18) of the lead-in tube (5) is provided with a replaceable conical taper in the form of a venturi nozzle (15) and the temperature measuring elements are located in the lead-in tube (5).

(Compl. Specn. 11 pages;

Drawg. 1 sheet.)

Ind. Cl. : 205B, G II

181105

Int. Cl.⁴ : B29D 30/00.

TUBELESS TYRE WITH BEADS AND A METHOD FOR PRODUCING THEM.

Applicant : COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN-MICHELIN & CIE, A FRENCH COMPANY OF 12 COURS SABLON, 63040 CLERMONT-FERRAND CEDEX, FRANCE.

Inventor : JEAN BILLIERES.

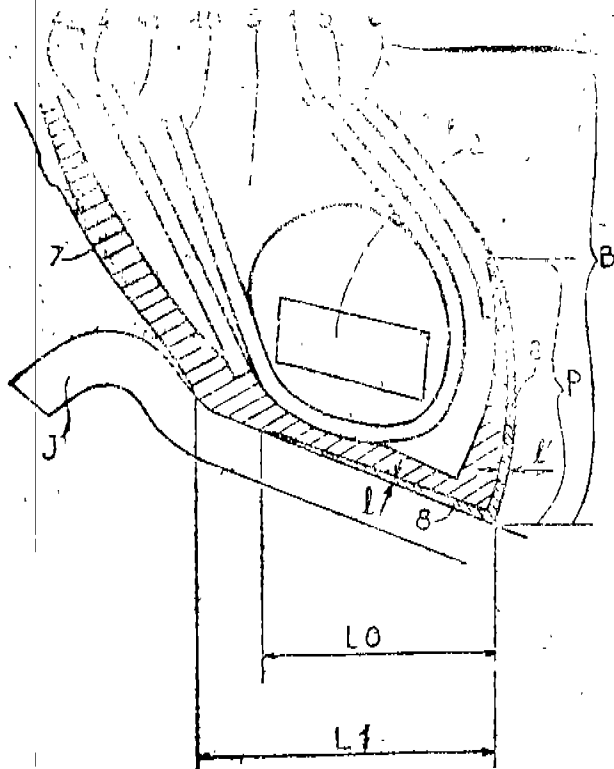
Application No. 744/Mas/92 dated 9th December 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

10 Claims

A tubeless tire which has a carcass reinforcement (1) integral with bead rings (2) and beads (B) and is covered on the inside with a layer of rubber of slight stiffness (6) which is impermeable to the inflation air, the beads being covered, at least in the part thereof in contact with the mounting rim, by circumferential profiled members (7) as protectors, formed of non-impermeable rubbers of great stiffness, characterised by the fact that the protectors are partially covered at least radially to the inside and axially towards inside, by a layer of impermeable mix (8) of a coefficient to permeability for air at 80°C of less than 21×10^{-17} m²/S.Pa and of a thickness δ of between 0.1 and 1 mm.

covering the radially inner part of the protector (7) over an axial length LO, such that the ratio of the axial length LO to the total width L1 of the bead (B) is between 0.2 and 0.7.



(Compl. Specn. 13 pages; Drng. 1 sheet)

Ind. Cl. : 150 C, G

181106

Int. Cl.⁴ : B 65 D 59/04.

A HEAT RECOVERABLE FABRIC SLEEVE.

Applicant : N. V. RAYCHEM S. A., OF DIESTSES-TEENWEG 692, 3010 KESSEL-LO, BELGIUM, A BELGIUM COMPANY.

Inventors :

1. ROBERT HENRI VAN
2. JANVANSANT
3. NOEL OVERBERGH
4. FIRMIN ROS.

Application No. 748/Mas/92 dated 15th December 1992.

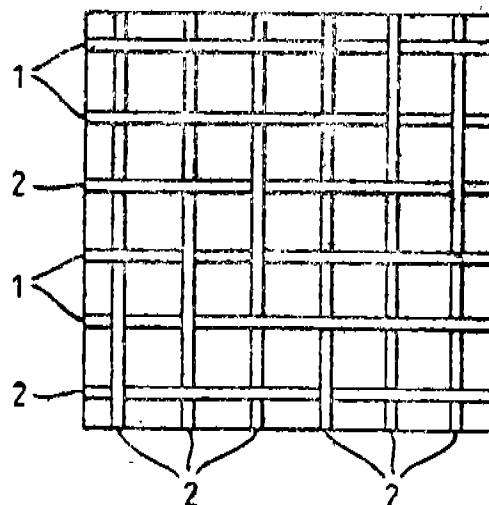
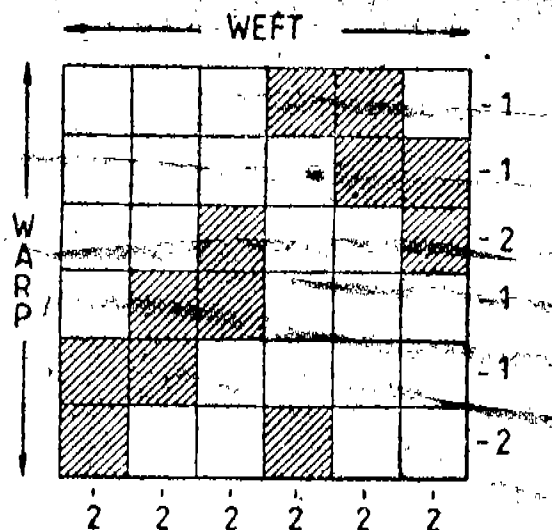
Convention date : 20th December 1991—(No. 9127103.1 United Kingdom).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

8 Claims

A heat recoverable fabric sleeve having a recovery ratio of at least 60% preferably 70%, and comprising :

- (a) a woven fabric having 10 to 20 heat recoverable fibres per cm extending in one direction, woven in a twill configuration with 1—10 heat stable fibres per cm in the other weave direction, and 1—4 heat recoverable fibres per cm in the said other weave direction, and
- (b) polymeric material, such as herein described, laminated to at least one side of the fabric.



(Compl. Specn. 14 pages;

Drngs. 2 sheets.)

Ind. Cl. : 80 J

181107

Int. Cl.⁴ : E 21 B 33/00.

A SELECTIVE ISOLATION SCREEN.

Applicant : NAGAOKA INTERNATIONAL CORPORATION, A JAPANESE COMPANY, OF 2-2-91 MOKUZAIDORI, MIHARA-MACHI, MINAMI KAWACHI-GUN, OSAKA-FU, JAPAN.

Inventors :

1. TADAYOSHI NAGAOKA
2. DERRY D. SPARLIN.

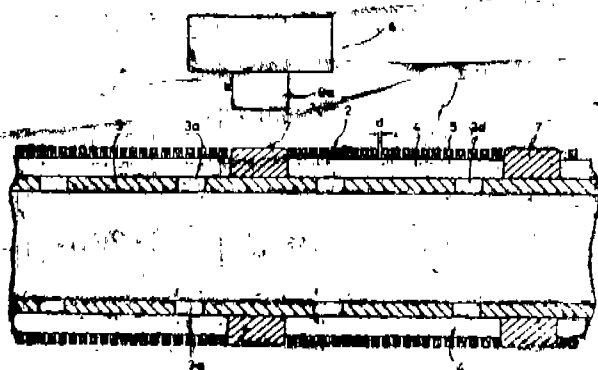
Application No. 751/Mas/92 dated 15th December 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

7 Claims

A selective isolation screen comprising a base member of cylindrical configuration having a plurality of openings, a plurality of spacer members extending in the longitudinal direction which are disposed, circumferentially spaced, on the outer peripheral surface of the base member, and a wrap wound about the outer periphery of the spacer members with a predetermined gap, annulus defined by the spacer

members and extending in the longitudinal direction being formed between the inside of the wire and the outer surface of the base member over the entire periphery of the base member, and seal means provided at selected locations in the longitudinal direction of the base member for isolating and sealing, in the longitudinal direction, the annulus defined by the spacer members and extending in the longitudinal direction.



(Compl. Specn. 16 pages;

Drwgs. 2 sheets.)

Ind. Cl. : 206 E

81108

Int. Cl. : B 29 C 35/00.

A PROGRAMMABLE CONTROLLER FOR CONTROLLING THE TYRE CURING OPERATION.

Applicant : L & T MCNEIL LTD., AN INDIAN CO., OF MOUJT-POONAMALLEE ROAD, POST BAG NO. 977, CHENNAI 600 089, TAMIL NADU, INDIA.

Inventors :

1. VEDAGIRI SAMBANDAM NEDUNCHEZHIAN
2. KRISHNAMURTHI VAIDYANATHAN
3. ARAVAMUDHUN GOVINDARAJAN.

Application No. 752/Mas/1992 filed on 15th December, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

7 Claims

A programmable controller for controlling the tyre curing operation, the said controller comprising a central processing unit (1) containing one or more microprocessor, an erasable programmable read-on memory, random access memory with related components; an input sensing unit (3) for sensing the inputs such as PRESS CLOSE signal, AUTO signal, DELAY CURE TIME signal POWER FAILURE signal; actuating means for actuating the programmable controller in response to the output of the said sensing unit; one or more output units (2) for providing one or more true and complementary outputs for actuating means; a key-board unit (5) for entry of data on the tyre curing cycle in terms of step times, extended cure times and other parameters; a display unit (6) showing the status of the said tyre curing cycle; a power supply unit to provide the necessary electrical power supply for operation of the said programmable controller and a base unit (10) on which the components are connected through suitable plugging or fastening means.

(Compl. Specn. 22 pages;

Drwg. 1 sheet)

Ind. Cl. : 156 D

181109

Int. Cl. : F04 B 47/00

A SUBMERSIBLE MONOBLOCK PUMP FOR PUMPING LIQUIDS.

Applicant & Inventor : KRISHNASWAMY NAIDU SAMPATH KUMAR, OF SAM INDUSTRIAL PUMPS COMPANY PVT. LTD., BHARATHIPARK CROSS ROAD NO. 7, POST BOX NO. 2725, COIMBATORE 641 011, AN INDIAN CITIZEN.

Application No. 753/Mas/92 dated December 16, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

2 Claims

A submersible monoblock pump for pumping liquids comprising a motor coupled through a shaft with a centrifugal pump housed in an inverted air tight housing with an open bottom wherein inside the said housing an air chamber is provided between the motor and the said centrifugal pump.

(Com. 7 pages;

Drwgs. 1 sheet)

Ind. Cl. : 31-A

181110

Int. Cl. : G 01 R 31/00

HAND HELD BATTERY OPERATED CAPACITOR FAULT DETECTOR.

Applicant : CENTRAL POWER RESEARCH INSTITUTE (A GOVT. OF INDIA SOCIETY), CENTRAL RESEARCH & TESTING LABORATORY, PROF. SIR C. V. RAMAN ROAD, RAJAMAHAL VILAS, EXTENSION II, II STAGE P. O., P. B. 9401, BANGALORE-560 094, KARNATAKA, INDIA.

Inventors :

- (1) R. S. SHIVAKUMARA ARADHYA, INDIA
- (2) P. V. VASUDEVAN NAMBUDEIRI, INDIA
- (3) K. KARUNAKARA, INDIA

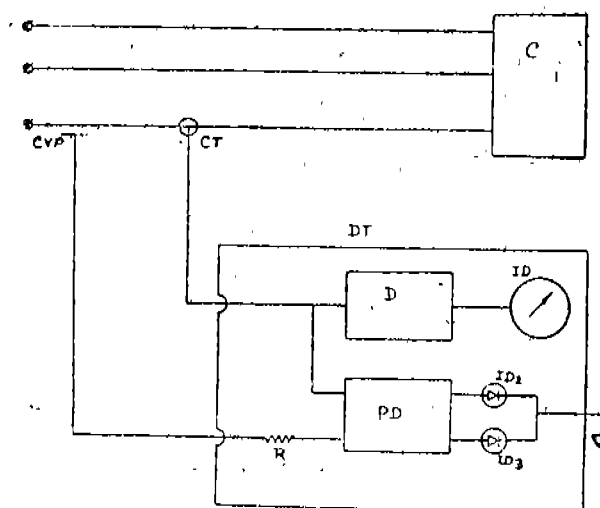
Application and Provisional Specification No. 763/Mas/92 dated December 23, 1992.

Complete Specification left : October 22, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

4 Claims

A hand held battery operated capacitor detector comprising of a static voltage probe adapted to be clipped on to an insulated conductor which acts as a capacitive voltage probe and a clip on current transformer wherein said voltage probe and current transformer having each an output terminal connected to a detector unit.



(Prov. 4 pages;

Com. 7 pages;

Drwg. 1 sheet)

Ind. Cl. : 63-C

181111

Int. Cl.⁴ : H 01 R 39/18

AN APPARATUS FOR THE MANUFACTURE OF A METAL-GRAPHITE BRUSH FOR USE WITH ELECTRICAL MACHINES.

Applicant : LUCAS-TVS LIMITED, PADI, CHENNAI-600 050, TAMIL NADU, INDIA, A COMPANY DULY ORGANISED AND EXISTING UNDER THE LAWS OF THE UNION OF INDIA.

Inventors :

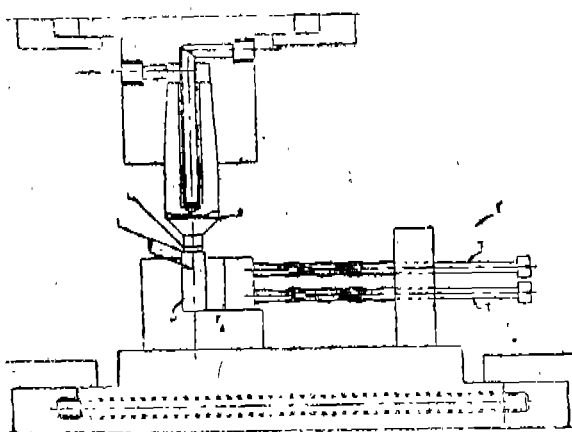
- (1) KRISHANVILASAM RAGHAVAN ANAND-AKUMARAN NAIR, INDIA
- (2) CHERUVU KRISHNA, INDIA
- (3) SEETHEPALLI SREENIVAS, INDIA

Application No. 765/Mas/92 dated December 23, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

2 Claims

An apparatus for the manufacture of a metal graphite brush for use with electrical machines comprising a first brazing electrode connectable to a source of electric power; and a fixture made of metal or a metal-composite material, said fixture having a seat for supporting the brush block thereon, and a spring-loaded clamp for securing the brush block on the seat, the fixture being connectable to the said source of power, whereby the fixture itself constitutes the second brazing electrode.



(Com. 8 pages;

Drwg. 1 sheet)

Ind. Class : 172-C₃

181112

Int. Cl.⁴ : D 01 B 1/30.

A DEVICE AND METHOD FOR PRODUCING FIBRE FROM FIBRE BEARING PLANT MATERIAL.

Applicant : THE SOUTH INDIA TEXTILE RESEARCH ASSOCIATION, COIMBATORE AERODROME POST, COIMBATORE-641 014, TAMIL NADU, INDIA, A SOCIETY REGISTERED UNDER THE SOCIETIES REGISTRATION ACT, 1860.

Inventors : (1) TARAKAD VEDAMURTHY RATNOM,
(2) SENNIMALAI GOUNDER RAMASWAMY,
(3) PALANISWAMY MUTHUKUMARA SWAMY.

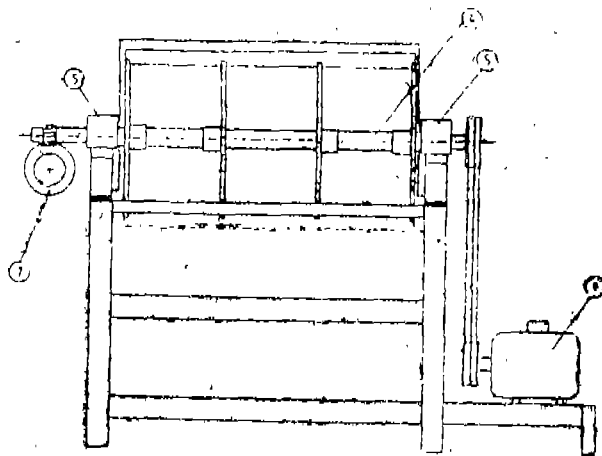
Application No. 766/Mas/92 dated December 24, 1992.

Complete Specification left : July 21, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

11 Claims

A device for extracting fibre from fibre bearing plant material comprising a beater (1) mounted on a rotatably drivable shaft (4), the said beater being provided alternatively with plain (2) and toothed blades (3) around the periphery of its circumference, a feeding system (8) consisting of a feed lattice (10), a feed plate (14) and at least a pair of feed rollers (11 & 12) connected to drive means, a delivery lattice (15) and a receptacle (16).



(Com. Specn.—11 pages;

Drwg.—2 sheets)

(Prov. Specn.—10 pages).

Ind. Class : 172 C₄

181113

Int. Cl.⁴ : D 01G 23/04 & D 01H 13/04.

APPARATUS FOR PROCESSING A PLURALITY OF SLIVERS.

Applicant : RIETER INGOLSTADT SPINNEREIMASCHINENBAU AKTIENGESellschaft, FRIEDRICH-EBERT-STRASSE 84, 8070 INGOLSTADT, GERMANY; GERMAN COMPANY.

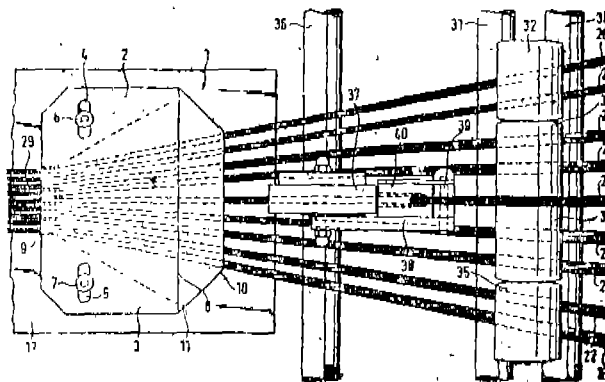
Inventor : HAUNER FRIEDRICH.

Application No. 772/Mas/92 dated December 30th 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

6 Claims

Apparatus for processing a plurality of slivers, in particular a draw frame, comprising feed rollers for collectively supplying the slivers to the apparatus, and a funnel having a through opening for combining the slivers to form a sliver composite as the slivers pass through the said funnel, wherein the through opening (8, 9) of the funnel (1) has a cross-sectional area which is adjustable by known means.



(Compl. Specn.—11 pages;

Drwgs.—2 sheets)

Ind. Class : 172 B

181114

Int. Cl.⁴ : B 65 G 54/00.

APPARATUS FOR MOVING SPINNING CANS.

Applicant : RIETER INGOLSTADT SPINNEREIMASCHINENBAU AG, FRIEDRICH-EBEDT-STR. 84, 8070 INGOLSTADT, GERMANY, A GERMAN COMPANY.

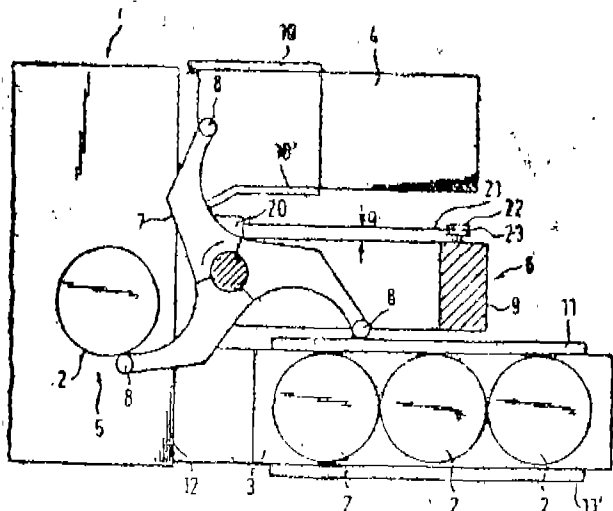
Inventor : FRIEDRICH HAUNER.

Application No. 773/Mas/92 dated December 30, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

6 Claims

An apparatus for moving spinning cans from a first position to a second position, comprising a movable conveyor and housing parts and/or can guides, the conveyor intersecting, during its movement, the projection of the housing parts and/or can guides at the plane of movement of the conveyor, wherein in the direction of movement of the conveyor an actuating means for actuating a switch for stopping the movement of the conveyor is provided between the conveyor and the projection of the housing part and/or the can guide.



(Compl. Specn.—14 pages;

Drwgs.—2 sheets)

Ind. Class : 129 G B

181115

Int. Cl.⁴ : B 21 B 45/02.

A PROCESS FOR PRODUCING SURFACE HARDENED AND TEMPERED RIBBED REINFORCING WIRES.

Applicant : SMS SCHLOEMANN-SIEMAG AKTIENGESELLSCHAFT, OF EDUARD-SCHLOEMANN-STRASSE 4, 4000 DUSSELDORF 1, FEDERAL REPUBLIC OF GERMANY, A GERMAN COMPANY.

Inventors : 1. JOHANN GROTEPASS,
2. UWE PLOCIENNIK.

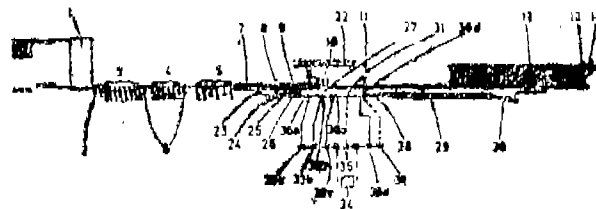
Application No. 2/Mas/93 dated January 5, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

5 Claims

A process for producing surface hardened and tempered, ribbed reinforcing wire comprising the steps of passing a wire emerging from a conventional wire finishing block (26) to a cooling path (27) consisting of a plurality of cooling tubes (36a to 36b) in series and subsequently to a coil former (28) located downstream of the cooling path (27),

wherein wires having a thickness from 6mm to 10mm are subjected to intensified cooling in at least one cooling tube located next to the coil former (28) in comparison with the preceding cooling tubes of the cooling path (27) to optimise the surface hardening and tempering of the ribbed reinforcing wire.



(Compl. Specn.—14 pages;

Drwgs.—2 sheets)

Ind. Class : 208

181116

Int. Cl.⁴ : C 09 D 11/00.

AN INK FOR BALL POINT PENS AND METHOD OF PRODUCING THE SAME.

Applicant : CHELPARK COMPANY PVT. LTD., AN INDIAN COMPANY, AT NO. A-93, INDUSTRIAL ESTATE, RAJAJINAGAR, BANGALORE-560 044, KARNATAKA, INDIA.

Inventors : (1) RAVI NARAYAN,
(2) VASANTH.

Application No. 4/Mas/93 dated January 8, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

4 Claims

An ink for ball point pens with self-cleaning action which consists of 25—35% by weight of a Ketonic or Aldehyde resin, in solution with 20—30% by weight of aromatic alcohols, 20—30% by weight of viscous vegetable oil, 3—6% by weight of higher fatty acid and small quantity of Phosphate based surfactant which imparts cleaning action.

(Compl. Specn.—7 pages).

Ind. Class : 23 E

181117

Int. Cl.⁴ : B 65 D 6/16.

CONTAINER OF PLASTIC MATERIAL.

Applicant : SCHOELLER-PLAST SA OF 11, ROUTE DE LA CONDEMIN, CH-1680 ROMONT, SWITZERLAND, A SWISS COMPANY.

Inventor : HANS UMIKER.

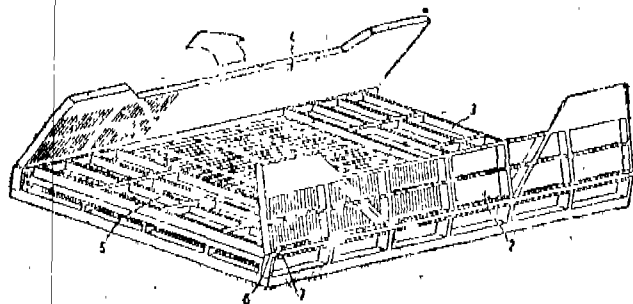
Application No. 9/Mas/93 dated January 11, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

9 Claims

Container made from plastic material, in particular container for vegetable, comprising a container bottom and four foldable side walls, whereas, in particular, side-walls are foldable to the inside in direction to the container bottom, characterized in that, by means of folding hinges, each side-wall (2—5) is foldable connected with an intermediate element (8—11) and each intermediate element is foldable connected with the container bottom, so that the intermediate

element (8—11) is forming a support face and/or load absorption face for the unfolded side walls.



(Compl. Specn.—14 pages;

Drwgs.—8 sheets)

Class : 190 B, 150 G

181118

Int. Cl.⁴ : F 02 C 7/00, F 16 L 25/00.

A PIPE BRANCHING DEVICE FOR A GAS LINE.

Applicant : MANNESMANN AKTIENGESellschaft, GERMAN COMPANY, OF MANNESMANNUFER 2, D-4000 DUSSELDORF 1, GERMANY.

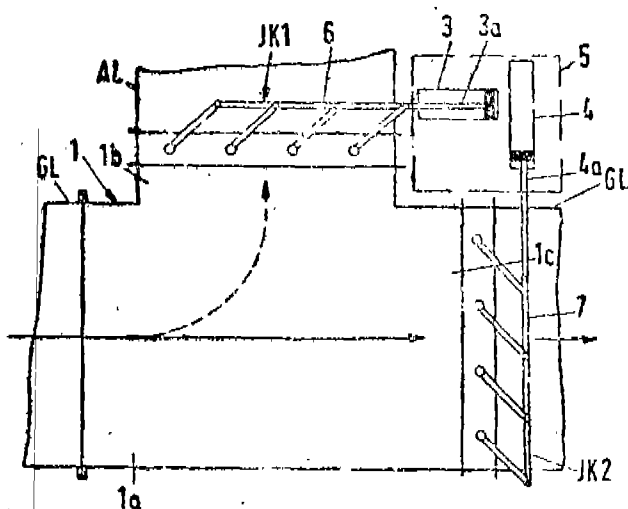
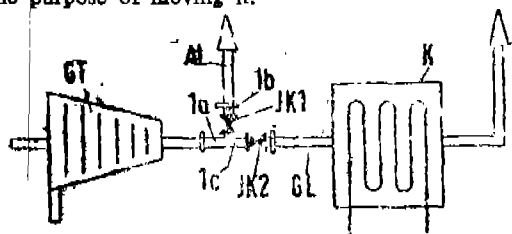
Inventor : ING. HANS-JURGEN JANICH.

Application No. 10/Mas/93 dated 11th January 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

10 Claims

A pipe branching device for a gas line, comprising an inlet pipe (1a), two outlet pipes (1b, 1c) each having a shut-off element (JK₁, JK₂), the said shut-off element being movable between an open position and a closed position, an actuating drive (3, 4) for each of the two shut-off elements, a control device (5) connected to the two actuating drives for moving first shut-off element in the first outlet pipe into its closed position when the second shut-off element in the second outlet pipe is moved into its open position, and vice versa, each said actuating device being formed by a double-acting pressure unit (3, 4) with a movable operating element (3a, 4a) connected to the associated shut-off element (JK₁, JK₂) for the purpose of moving it.



(Compl. Specn.—23 pages;

Drwgs.—2 sheets)

2—37GI/98

Class : 11 D

181119

Int. Cl.⁴ : D 04 B.

A DEVICE FOR FEEDING ELASTOMERIC YARN AT CONSTANT RATES TO KNITTING ELEMENTS OF A KNITTING MACHINE.

Applicant : THE SOUTH INDIA TEXTILE RESEARCH ASSOCIATION, COIMBATORE AERODROME POST, COIMBATORE 641014, TAMIL NADU, INDIA, AN INDIAN COMPANY REGISTERED UNDER THE SOCIETIES REGISTRATION ACT, 1860.

Inventors : 1. TARAKAD VADAMURTHY RATNAM,

2. SENNIMALAI GOUNDER RAMA-SWAMY.

3. PALANISWAMY MUTHUKUMARA-SWAMY.

4. THIYAGARAJAN SENTHIL KUMAR.

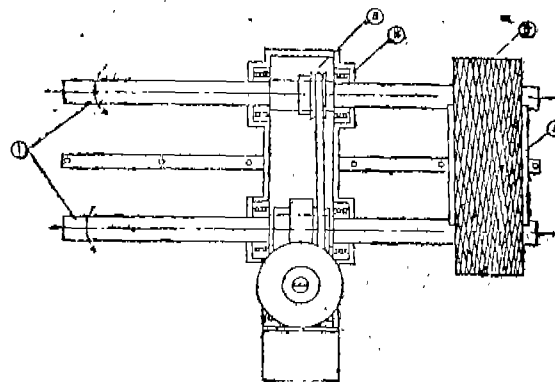
Application No. 11/Mas/93 dated January 11th 1993.

Complete Specification left : 13th April 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

9 Claims

A device for feeding elastomeric yarn at constant rates to knitting elements of a knitting machine, said device comprising two rotatable shafts mounted with their axis parallel to each other to provide housing means for housing yarn packages in between in such a way that the distance between the two shaft is less than the outer diameter of the empty yarn package, driving means for rotatably driving the said shafts at a predetermined rate in the same direction, thereby rotating the yarn packages housed in between to release yarn and feeding means for feeding the unwound yarn therefrom to the knitting elements.



(Prov. Specn.—11 pages).

(Compl. Specn.—13 pages;

Drwgs.—2 sheets)

Class : 154 D

181120

Int. Cl.⁴ : B 41 F 71/36.

AN APPARATUS FOR DECORATING CYLINDRICAL ARTICLES.

Applicant : SEQUA CORPORATION, A CORPORATION OF THE STATE OF DELAWARE, USA OF THREE UNIVERSITY PLAZA, HACKENSACK, NEW JERSEY, U.S.A.

Inventors : 1. MICHAEL TURTURRO,

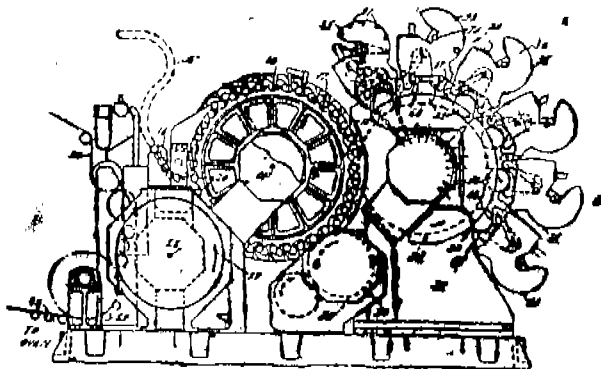
2. ENN SIRVET.

Application No. 14/Mas/93 dated January 12, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

13 Claims

An apparatus for decorating cylindrical articles, said apparatus comprising a main frame, a blanket wheel rotatably mounted on said main frame, a plurality of plate cylinders rotatably mounted on said main frame and disposed adjacent the periphery of said blanket wheel, and a plurality of inker subassemblies removably mounted on said main frame to apply controlled amounts of ink to printing plates mounted on said plate cylinders, there being an individual one of said inker subassemblies associated with each of said plate cylinders, and said plate cylinders remaining mounted on the main frame upon dismounting of the subassemblies from the main frame; each of said inker subassemblies comprising first and second sections disposed in side by side relationship; said first section having a fountain for holding a supply of ink and first means for removing ink from said fountain, forming ink removed from said fountain into a thin film and applying the latter to a printing plate on the printing cylinder that is associated with the particular subassembly said first means having a train of cylinders; said second section having a transmission for positively driving a first cylinder of said train of cylinders, a liquid-type lubricant for lubricating said transmission, said transmission having an input and an output with the latter being operatively connected to said first cylinder, a housing for confining said lubricant and wherein said transmission is disposed, drive means mounted on said main frame, and an individual second means associated with each of said subassemblies, said second means being disposed externally of the housing and providing disengageable coupling for independently connecting each of said inputs to said drive means.



(Compl. Specn.—24 pages;

Drwgs.—9 sheets)

Ind. Cl. : 116 F

181121

Int. Cl.⁴ : B 66 B 11/02.

EQUIPMENT FOR THE VENTILATION OF THE PASSENGER SPACE OF RAPIDLY MOVING LIFT CAGES.

Applicant : INVENTIO AG, A SWISS COMPANY OF SEESTRASSE 55, CH-6052 HERGISWIL, SWITZERLAND.

Inventors : 1. BRIGITTE SOMMERROCK,
2. ROLF GUNTHER,
3. URS MINDER.

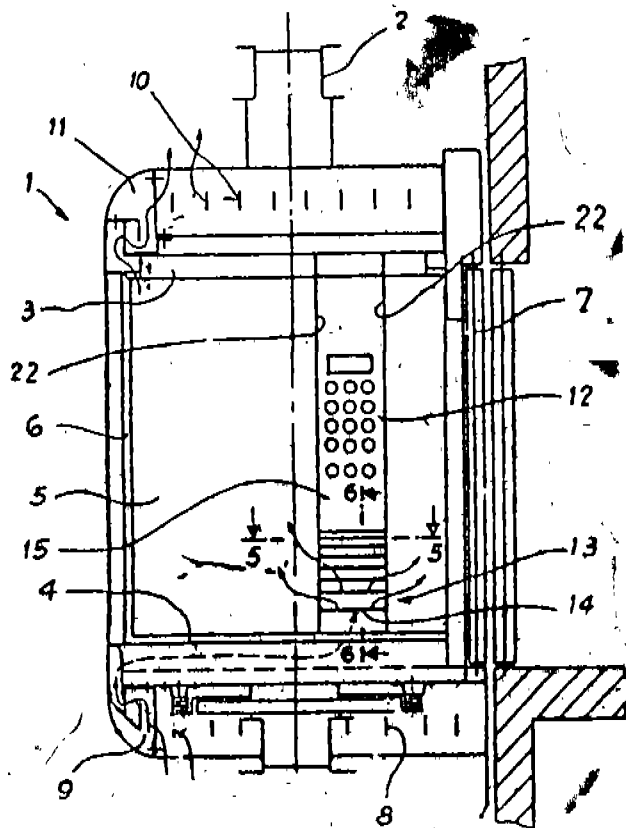
Application No. 669/Mas/92 dated 5th November 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

6 Claims

Equipment for the ventilation of the passenger space of rapidly moving lift cages (1), in which the ventilation during the travel with the cage door (7) closed takes place through opening of prescribed cross-sectional area in the upper and the lower part of the lift cage (1) and the air current produced by the ram pressure of the cage gets into the passenger space relieved by metal baffle plates and air chambers, characterised thereby, that a ventilating equipment (13) having several ventilation slots (14) is arranged in a ventilation

channel (15) taking up the entire height of the lift cage (1) in at least one wall (5, 6) of the lift cage (1), wherein a perforated metal reinforcing plate (19), which acts as protection against sticking-through and the perforations (20) of which have at least the same size of cross-section as the associated ventilation slot (14), is provided on the rear side of each ventilation slot (14).



(Compl. Specn.—10 pages;

Drwgs.—3 sheets)

Ind. Cl. : 150 G, 151 C, E & F

181122

Int. Cl.⁴ : F 16 L 33/20.

METHOD AND APPARATUS FOR MAKING DRIP IRRIGATION DEVICES.

Applicant : HYDROMATIC LTD., A CORPORATION OF 8 NITZANIM STREET, 10 500 MIGDAL HAMEK, ISRAEL.

Inventor : SHILOMO BLOOM.

Application No. 672/Mas/92 dated 6th November 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

11 Claims

A method of making a drip irrigation device including a tube formed with a plurality of apertures, and dripper units bonded to a surface of the tube and having outlets in alignment with said apertures, with each unit extending for only a part of the circumference on the tube, comprising :

continuously extruding the tube from an extrusion head; feeding a plurality of dripper units in succession to move axially with respect to the tube during the extrusion thereof;

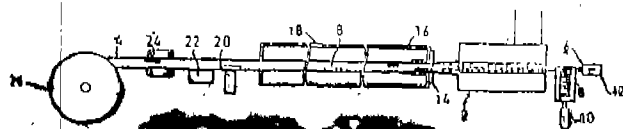
at a first location, which is a short distance downstream of the extrusion head where the extruded tube is still tacky, arresting the axial movement of each dripper unit

as it arrives to said first location and moving it transversely to bring it into light contact with said tacky surface of the extruded tube, to thereby cause the dripper unit to lightly adhere to the extruded tube and to begin to move axially of the extruded tube; and

at a second location, which is a short distance downstream of the first location, where the dripper unit has attained the same axial velocity as the extruded tube, pressing the dripper unit into firm bonding contact with said tacky surface of the extruded tube; and

punching the apertures in the extruded tube in alignment with the dripper unit outlets;

characterized in that each of said dripper units is pressed into firm bonding contact with the inner surface of the extruded tube by a fixed pressure plate located at said second location, and having a leading edge engageable with the dripper unit lightly adhering to the tacky inner surface of the extruded tube to press the dripper unit into firm bonding contact with said tacky surface of the extruded tube.



(Compl. Specn.—14 Pages;

Drwgs.—3 sheets)

Ind. Cl. : 32 E

181123

Int. Cl. : C 08 G 18/00

METHOD AND DEVICE FOR THE CONTINUOUS MANUFACTURE OF SLAB STOCK POLYURETHANE FOAM WITHIN A PREDETERMINED PRESSURE RANGE.

Applicant : RECTICEL HOLDING NOORD BV, A COMPANY ORGANIZED UNDER THE LAWS OF THE NETHERLANDS, OF SPOORSTRAAT 69, 4041 CL KESTEREN THE NETHERLANDS; & BRIAN JAMES BLACKWELL, A BRITISH CITIZEN OF WENTWORTH COLLAR HOUSE DRIVE, PRESTBURY SK 10, 4 AP, CHESHIRE, UNITED KINGDOM.

Inventors :

- (1) BLACKWELL BRIAN JAMES,
- (2) DERKSEN JOHANNES A.M.G.,
- (3) JOURQUIN LUCIEN,
- (4) MORTEIMAN RUDI.

Application No. 0674/Mas/92 filed on 9th Nov. 1992.

Appropriate Office for Oppositions Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

23 Claims

A method for the continuous manufacture of slabstock polyurethane foam within a predetermined pressure range comprising preparing a polymerizable reaction mixture containing a blowing agent, applying said reaction mixture substantially continuously onto moving conveyor means and allowing a free rise expansion and polymerization of this reaction mixture so as to form said foam, which free rise expansion and polymerization of the reaction mixture is performed in substantially hermetically closed space wherein the reaction mixture is at least partially surrounded by a layer of gas, the pressure of which gas is maintained during said free rise expansion and polymerization within a predetermined pressure range, at least partially by exhausting gas from said space, characterized in that gas is substantially continuously supplied to said space, in addition to the blowing gas production, during said free rise expansion and polymerization while gas is simultaneously exhausted from said space so as to maintain said pressure within said pressure range and so as to reduce fluctuations of said pressure within said pressure range.

(Com. Specn. : 32 Pages;

Drwgs. : 01 Sheet)

Ind. Cl. : 172-D

18124

Int. Cl. : B 08 B 1/00; D 01 H 11/00

IMPROVEMENTS IN OR RELATING TO TRAVELLING CLEANERS FOR USE ON INDUSTRIAL MACHINERIES, SUCH AS TEXTILE AND JUTE MACHINERIES.

Applicant & Inventor : AVARAMPALAYAM GOPAL-SWAMINAJDU GOVINDARAJULU, SOLE PROPRIETOR, ALLIED ENGINEERING INDUSTRIES, POST BOX NO. 7011, 36-A, BHARATH PARK ROAD, CROSS ROAD NO. 7, S.A.H.S. COLLEGE POST, COIMBATORE-641 043, TAMIL NADU, INDIA, AN INDIAN NATIONAL.

Application No. 676/Mas/92 dated November 11, 1992.

Patent of Addition to Patent Application No. 566/Mas/92.

Appropriate Office for Oppositions Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

4 Claims

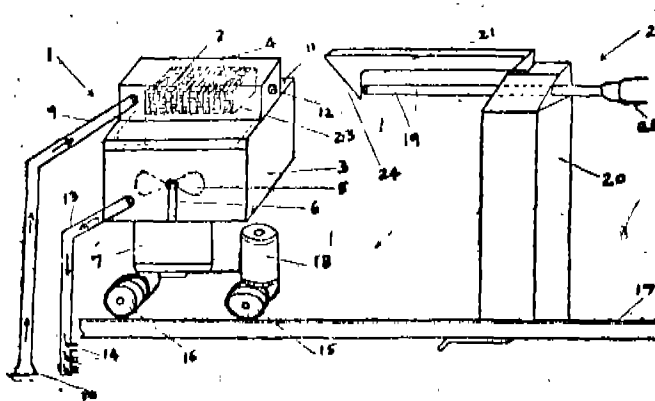
A travelling cleaner, comprising :

a travelling unit mounted on rails and provided with means for causing the forward and reverse movement of said unit on said rails; and

a stationary unit fixedly mounted near one end of said rails;

said travelling unit comprising a suction chamber provided with a suction means and a blowing pipe, said suction chamber being connected to a suction pipe through a filtering chamber, the suction chamber being adapted to communicate with the filtering chamber through a door, a lid-lever-cam guide arrangement to open and close said door as desired, a filter member provided within the filtering chamber to filter the air containing undesired matter or particles drawn in through the suction pipe, the filtered air being blow out through said blowing pipe;

said stationary unit comprising a waste collection nozzle member, the outlet of which being connected to a suction means and the inlet thereof being facing and in alignment with an opening provided on said filtering chamber, the said opening being closed by a door and adapted to be opened by pressing the door against the stationary nozzle member so as to permit the entry of the inlet of the nozzle member through said opening and such out the waste matter collected in said filtering member, the arrangement being such that when suction through said nozzle member is applied to the filtering member the communication between the filtering chamber and the suction chamber is cutoff and viceversa.



(Com. : 9 Pages;

Drwgs. : 2 Sheets)

Ind. Cl. : 35 C

181125

Int. Cl.⁴ : C04 B 7/00**METHOD FOR MANUFACTURING CEMENT.**

Applicant : FL SMIDTH & CO A/S OF VIGERSLEV ALLE 77, 2500 VALBY, DENMARK (A DANISH COMPANY).

Inventor : JAN FOLSBERG.

Application No. 680/Mas/92 dated 11th November 1992.

Appropriate Office for Oppositions Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

6 Claims

A method for manufacturing cement in a plant comprising a clinker cooler (3), by which method cement clinker is mixed with gypsum, characterized in that at least a part of the gypsum required for the cement manufacturing is added to the cement clinker cooler (3), whereby the added gypsum is dehydrated and dried in the clinker cooler (3) by means of the heated air resulting from the cooling of the cement clinker.

(Com. : 9 Pages;

Drwgs. : 1 Sheet)

Ind. Cl. : 129 N

181126

Int. Cl.⁴ : H01R 4/02, H05K 3/00**AN APPARATUS FOR WAVE SOLDERING AND A PROCESS OF FORMING PRINTED WIRING BOARDS.**

Applicant : ELECTROVERT LTD., A CANADIAN CORPORATION OF 1305 BOULEVARD INDUSTRIEL, LA-PRAIRIE, QUEBEC, CANADA J5R 2E4.

Inventors :

(1) JOHN HARRY GILETA,

(2) RAYMOND JOSEPH CHARTRAND,

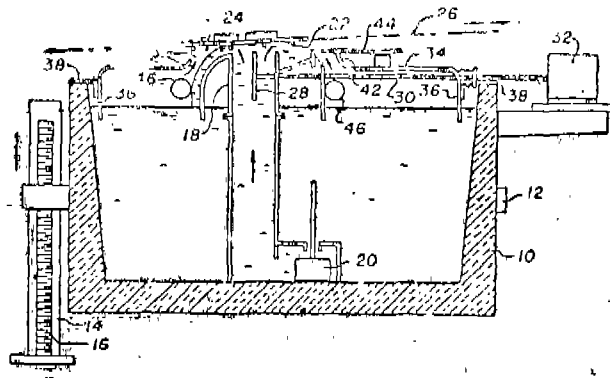
(3) DEREK EDWARD SELLEN.

Application No. 684/Mas/92 dated 12th November 1992.

Appropriate Office for Oppositions Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

18 Claims

An apparatus for wave soldering on element comprising a solder reservoir to contain molten solder, and having at least one solder wave nozzle projecting therefrom; pump means for forming a solder wave from the nozzle; cover means for covering at least a portion of the reservoir having at least one longitudinal slot for the solder wave to pass there through; supply means for supplying pressurized gas to the underside of the cover means in the form of gas discharge pipes extending on both sides of the solder wave beneath the longitudinal slot in the cover means, the gas permitted to pass upwards through the slot on both sides of solder wave and provide a gas blanket over the solder wave; and conveyor means for moving the element in a predetermined path over the cover means ensuring that at least a portion of the element passes through the solder wave.



(Com. : 31 Pages;

Drwgs. : 11 Sheets)

Ind. Cl. : 152 E

181127

Int. Cl.⁴ : C09K 21/00**A FIREPROOFING COMPOSITION.**

Applicant : GRUNAU ILLERTISSEN GMBH, ROBERT-HANSEN-STRASSE 1, 7918 ILLERTISSEN, GERMANY, A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY.

Inventors :

(1) DR. DIETER ANNEMAIER,

(2) ROBERT GRAF.

Application No. 685/Mas/92 dated November 13th 1992.

Appropriate Office for Oppositions Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

22 Claims

A fireproofing composition comprising 5 to 20% by weight of binders, 10 to 60% by weight of flameproofing agents, 0.2 to 21.5% by weight of fibres and 0.1 to 10% by weight of plasticizers.

(Com. : 21 Pages;

Drwgs. : Nil)

Ind. Cl. : 206-E

181128

Int. Cl.⁴ : B 65 H 54/70**A DEVICE FOR CLEANING INDUSTRIAL MACHINERIES SUCH AS TEXTILE AND JUTE MILL MACHINERIES.**

Applicant & Inventor : AVARAMPALAYAM GOPAL-SWAMINAIU GOVINDARAJULU, SOLE PROPRIETOR, ALLIED ENGINEERING INDUSTRIES, POST BOX NO. 7011, 36-A, BHARATHI PARK ROAD, CROSS ROAD NO. 7, S.A.H.S. COLLEGE POST, COIMBATORE-641 043, TAMIL NADU, INDIA, AN INDIAN NATIONAL.

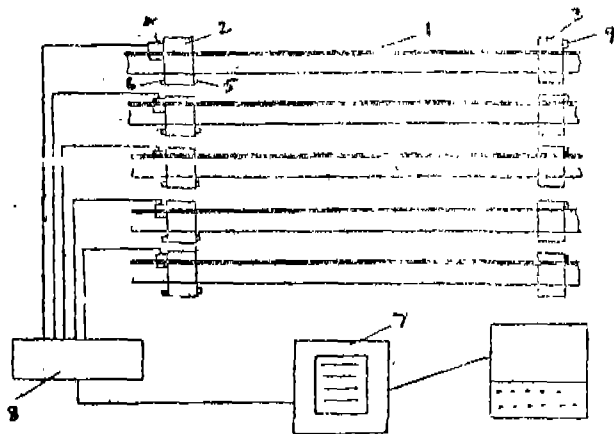
Application No. 686/Mas/92 dated November 16, 1992.

Appropriate Office for Oppositions Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

5 Claims

A device for cleaning industrial machineries such as textile and jute mill machineries comprising at least one travelling cleaner mounted on rails, said travelling cleaner comprising a travelling unit adapted to traverse on said rails and to collect the surrounding undesired matter or particles and a stationary unit adapted to remove or dispose of the materials collected in said travelling unit, said travelling unit being provided with at least one sensor means to sense the traverse path ends, said stationary unit being provided with a means to measure

the quantity of materials disposed of at the completion of every traverse cycle, a control means capable of acting upon the signals received from said sensing and measuring means, and a computers connected to said control means to retrieve and analyse the data/information stored in said control means.



(Com. : 9 Pages;

Drawgs. : 2 Sheets)

Ind. Cl. : 24-B&F

181129

Int. Cl.4 : F 16 D 51/00

INTERNAL SHOE DRUM BRAKE.

Applicant : LUCAS INDUSTRIES PUBLIC LIMITED COMPANY, A BRITISH COMPANY. OF BURETON HOUSE, NEW ROAD, SOLIHULL, WEST MIDLANDS B91 3 TX, ENGLAND.

Inventor : PAUL FRANK BIDEALGH, WALES.

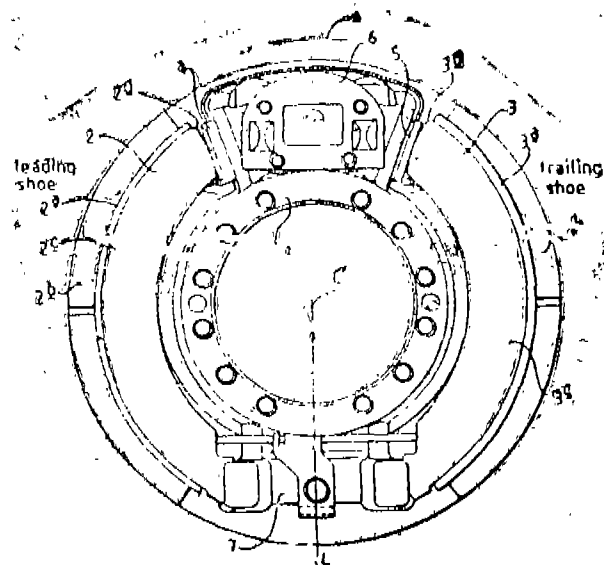
Application No. 687/Mas/92 dated November 16, 1992.

Convention date : November 19, 1991; (No. 9124645.4; United Kingdom).

Appropriate Office for Oppositions Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

15 Claims

An internal shoe drum brake of the leading/trailing shoe type comprising a pair of brake shoe (2, 3) mounted on a backplate (1) and separable by an actuator (6) into braking engagement with a rotary brake drum, one pair of adjacent shoe ends providing shoe tips slidably engaged respectively with oppositely directed surfaces (7A, 7B) of a fixed abutment (7) which resists braking torque applied to the shoes from the rotating drum during braking, each shoe tip being formed by two differently directed surface portions (T1, T2), the shoes being arranged so that the abutment (7) is engaged respectively by non-corresponding ones of the shoe tip surface portions (T1, T2), at least one of the surfaces (7A) of the abutment engaged by the shoe tips diverges from the other surface in a direction away from a centre line (C) extending radially from the centre (C1) of the brake towards the abutment, and the shoe tips (T1, T2) engaging the abutment surfaces respectively at different locations therealong, the abutment surfaces (7A, 7B) being differently inclined with respect to the centre line.



(Com. : 13 Pages;

Drawgs. : 2 Sheets)

Ind. Cl. : 108 B2 b

181130

Int. Cl.4 : C 21 B 11/00

A PROCESS FOR THE PRODUCTION OF PIG IRON AND CUPOLA MELTING FURNACE FOR THE SAME.

Applicant : MANNESMANN AKTIENGESELLSCHAFT, OF MANNESMANNUFER 2, D-4000 DUSSELDORF 1, GERMANY, A GERMAN COMPANY.

Inventor : DR. ING. WERNER HOFMANN.

Application No. 692/Mas/92 dated November 17, 1992.

Appropriate Office for Oppositions Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

10 Claims

Process for the production of pig iron, comprising the steps of :

- introducing cold agglomerates, of fine-grained iron ore, non-coking coal and bonding agents in the shape of briquettes, having an minimum particle size of 0.3 dm³, into an upstream reduction zone in the upper part of a cupola melting furnace;
- passing the agglomerates downwardly;
- heating the agglomerates to a temperature in excess of 1060°C, by means of combustion gases flowing through the cupola furnace, to initiate a reduction reaction of the agglomerates;
- supplying oxygen to the combustion gases in the region in which the reduction of agglomerates is taking place, for afterburning of the carbon monoxide resulting from the reduction reaction;
- melting the reduced agglomerates into liquid pig iron and slag, heating the liquid pig iron above its melting temperature by contact with a bed of ceramic spheres, heated by combusted combustion gases;
- allowing the liquid pig iron to flow through the ceramic bed and fall, in the form of droplets, into the hearth of the cupola furnace; and
- subsequently continuously or discontinuously tapping the pig iron.

Ind. Cl. : 13-C & 145-B

181131

Int. Cl.4 : B 31 B 19/00

A FULLY AUTOMATIC ENVELOPE MAKING MACHINE.

Applicant & Inventor : SUKUMAR KANIPARAMPIL VIJAYAN, PANIPUZHAYIL HOUSE, EDAYARANMULA P.O., PATHANAMTHITTA DISTRICT, KERALA, PIN CODE NO. 689 532, INDIA, AN INDIAN NATIONAL.

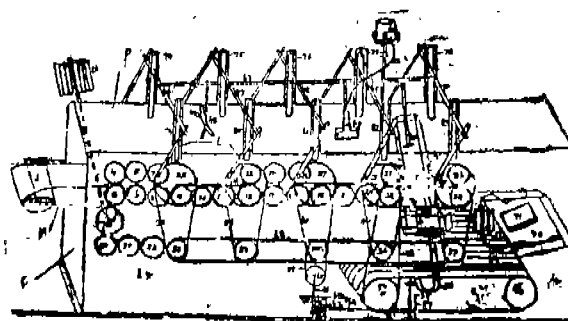
Application and Provisional Specification No. 671/Mas/92 dated November 6, 1992.

Complete Specification left : June 14, 1993.

Appropriate Office for Oppositions Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

7 Claims

A fully automatic envelope making machine comprising a paper reel holder at the paper feeding point of the machine, a main roller adapted to be driven by a motor being provided near the feeding end such that to be engaged with an upper set of rollers during the first half of the revolution of the main roller and a lower set of rollers during the second half of the revolution of the main roller, cutting means, gum applicator means and pushing means adapted to be actuated by the lower set of rollers being provided at the upper end of the machine for cutting, gum application and pushing the envelope paper to the conveyor belt, folding means being provided below the pushing means, joining and finishing means being provided above said conveyor belt for joining and finishing the cut flaps of the paper to provide the envelopes.



(Prov. : 8 Pages; Com. : 10 Pages; Drawgs. : 8 Sheets)

Ind. Cl. : 126-C

181132

Int. Cl.4 : G 01 R 29/12

A DIGITAL ELECTRICAL FIELD METER.

Applicant : CENTRAL POWER RESEARCH INSTITUTE, (A GOVT. OF INDIA SOCIETY), OF PROF. SIR C. V. RAMAN ROAD, RAJAMAHAL VILAS EXTENSION, II STAGE P.O., P.B. NO. 9401, BANGALORE-560 094, KARNATAKA, INDIA, AN INDIAN COMPANY.

Inventors :

- (1) R. S. SHIVAKUMARA ARADHYA, INDIA.
- (2) P. V. VASUDEVAN NAMBUDEIRI, INDIA.
- (3) K. KARUNAKARA, INDIA.

Application and Provisional Specification No. 695/Mas/92 dated November 19, 1992.

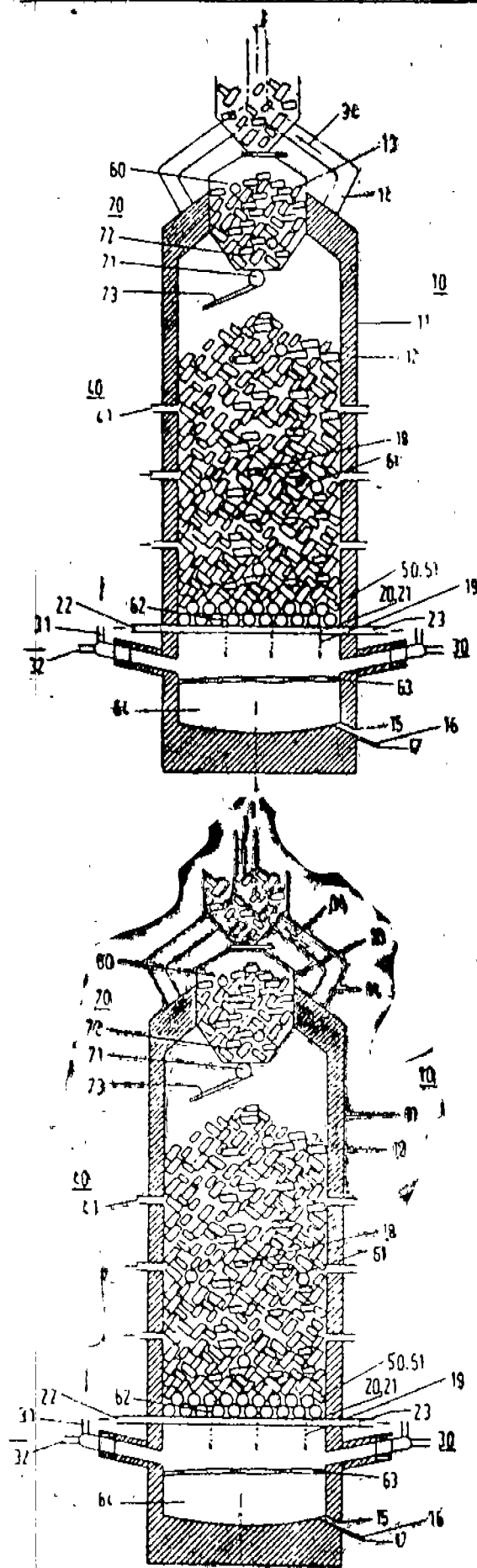
Complete Specification left : December 30, 1993.

Appropriate Office for Oppositions Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

3 Claims

A digital electrical field meter comprising :

a sensor having a spherical electrode for sensing the electric field in high voltage installation,



(Com. : 13 Pages;

Drwg. : 1 Sheet)

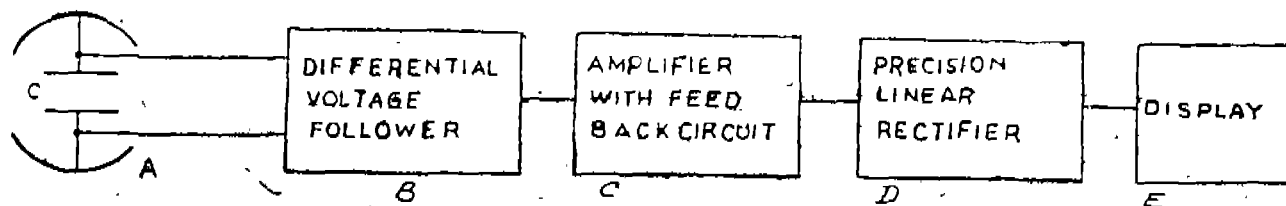
characterized in that,

said spherical electrode sensor comprises two hemispherical electrodes isolated by an insulator ring,

said hemispherical electrodes are electrically connected to an integrated circuit which forms a differential amplifier the

output of which being fed to another integrated circuit for further amplification;

said amplified signal of said another integrated circuit being fed to a precision linear rectifier formed by another integrated circuit, the output of which is connected to the digital display to read electric field directly in kV/m.



(Prov. : 6 Pages; Com. : 12 Pages; Drawgs. : 2 Sheets)

Ind. Cl. : 5-A&E

181133

Int. Cl.⁴ : A 01 B 3/00

A SEED-CUM-FERTILIZER DRILL.

Applicants : (1) INDIAN COUNCIL OF AGRICULTURAL RESEARCH & (2) CENTRAL RESEARCH INSTITUTE FOR DRYLAND AGRICULTURE, HAVING THEIR OFFICE AT CENTRAL RESEARCH INSTITUTE FOR DRYLAND AGRICULTURE, SAIDABAD P.O., HYDERABAD-500 059, ANDHRA PRADESH.

Inventors

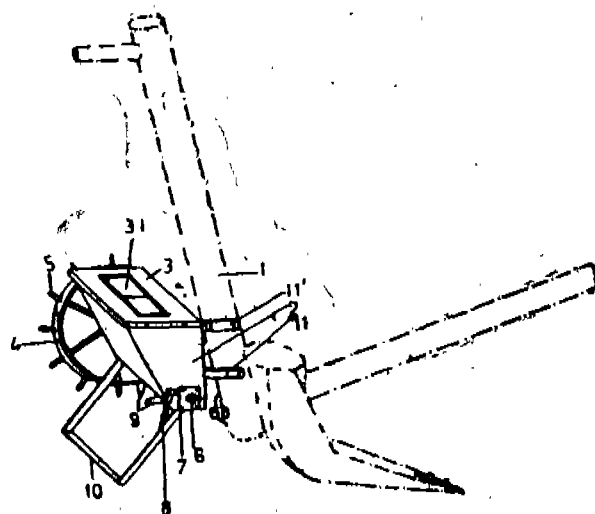
- (1) V. MAYANDA,
(2) D. C. KATYAL.

Application No. 698/Mas/92 dated November 20, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Chennai Branch.

9 Claims

A seed-cum-fertilizer drill intended to be used with conventional hand drawn country wooded plough, comprising a hopper divided into two compartments, one for storing seed and other for storing fertilizer, each compartment being provided with a tube at its bottom at an angle for channelling seed and fertilizer in the respective compartments to the furrow opened by the plough, a horizontal shaft rotatably mounted on the side walls of said hopper and passing through both compartments, a drive wheel fixed at one end of said shaft, the wheel having a plurality of flat pegs fixed at equidistant intervals on the outer periphery thereof, a metering plate fixed in one compartment at the bottom thereof, each metering plate having an orifice of precalibrated dimensions opening to said channelling tube, a rubber agitator fixed on said shaft in a zig-zag shape just above each orifice with minimal clearance therefrom, a floating blade mounted at the rear of the hopper to raise desired soil cover on seed and fertilizer, and for mounting said drill to the handle body of said plough.



(Com. : 13 Pages;

Drawgs. : 2 Sheets)

Ind. Cl. : 129 G

181134

Int. Cl.⁴ : B 21D 43/00

APPARATUS FOR WORKING METAL WORKPIECES.

Applicant & Inventor : LIET. CORNELIS HENDRICUS, DUTCH NATIONALITY, OF DENEKAMPERDIJK 38, 7581 PJ LOSSER, THE NETHERLANDS.

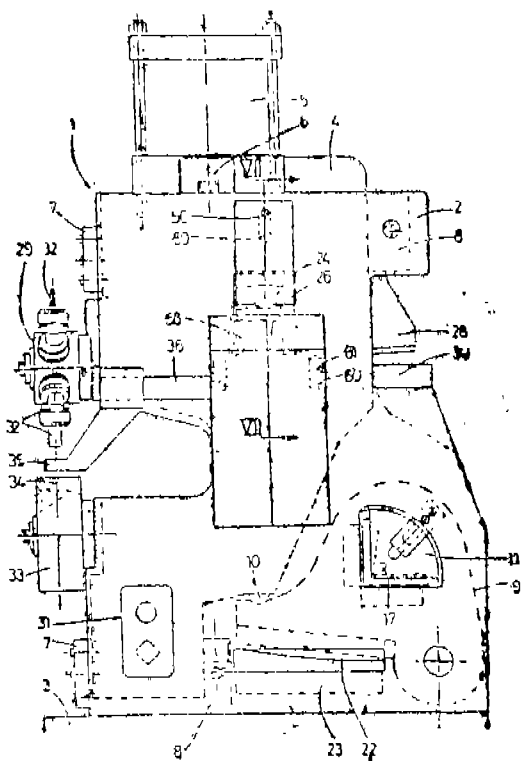
Application No. 701/Mas/92 dated 24th November 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

13 Claims

Apparatus for working metal workpieces, comprising a frame (1), a rotatable tool turret (29) movable up and down and carrying a plurality of punch tools (32) which can be moved into a working position by rotation of the tool turret, and a die carrier (33) carrying die tools (34) associated with said punch tools, wherein the frame (1) is provided with a corresponding stationary rotatable tool turret (33) as carrier for the die tools (34) which can be moved into a corresponding working position by rotation of said tool turret, characterized in that both tool turrets (29, 33)

are supported through their axle (103, 104) only one side and in that at least the axle (103) of the movable tool turret is horizontal.



(Com. : 16 Pages;

Drwgs. 8 Sheets)

Ind. Cl. : 154 D

181135

Int. Cl.⁴ : B 41 F 31/00

A ROLLER FOR PRINTING MACHINES.

Applicant : BIS BOTH INDUSTRIAL SERVICES BV, LOOIERSLAAN 7, 2272 BG VOORBURG, THE NETHERLANDS; A DUTCH COMPANY.

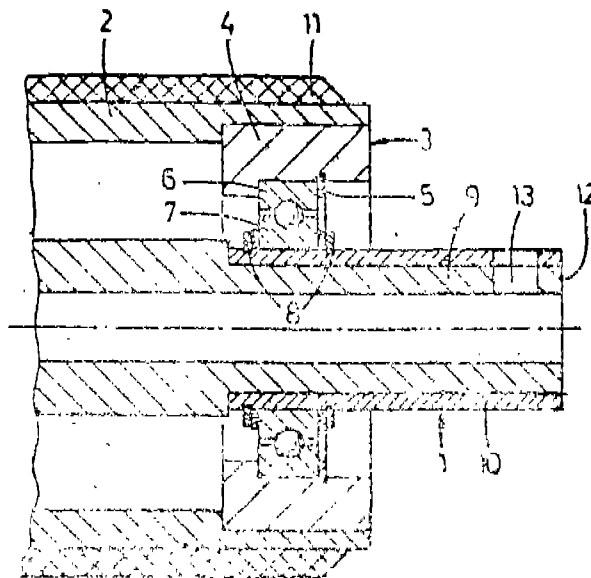
Inventors : LEO VONK.

Application No. 702/Mas/92 dated November 24th 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

8 Claims

A roller for printing machines comprising a central shaft with journalling means for journalling the shaft in the printing machine, a shell extending concentrically around the said shaft characterised in that the body of the shell and the shaft are plastic and at least at the ends of the shaft, metal jackets are being provided extending upto the frontal end of the said shaft.



(Com. 13 Pages;

Drwgs. : 2 Sheets)

Ind. Cl. : 55 F

181136

Int. Cl.⁴ : A61 J 3/00

METHOD AND APPARATUS FOR THE MANUFACTURE OF PHARMACEUTICAL CELLULOSE CAPSULES.

Applicant : GS TECHNOLOGIES, INC. OF 311 WEST BROADWAY AVENUE, FAIRFIELD, IOWA 52556, USA, A US COMPANY.

Inventors :

1. ANDREW CLAIR S.
2. GROSSWALD RALPH R.
3. ANDERSON JEFFORY B.

Application No. 705/Mas/92 dated November 25th 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

14 Claims

A method of manufacturing pharmaceutical cellulose capsules, each capsule consisting of two parts, a capsule body and a capsule cap, each part made from a aqueous solution of thermogelling cellulose ether composition, using body pins as molds for capsule bodies, and cap pins as molds for capsule caps, and using a plurality of pins (32), each pinbar having a plurality of the pins (31) mounted thereon, the method comprising the steps of : (a) passing the pins (b) heating the pins; (c) dipping the pins into a dipping group of pinbars into the solution to cause the solution to gelatinize on the pins of the dipping group; (d) drying the gelatinized solution on the pins to form capsule parts; (e) removing capsule parts from the pins; and (f) moving the pins in a closed loop so as to repeat steps (a) through (e); characterised in that heating the pins includes heating the pins of a dipping group after greasing the pins and before dipping the pins, by non-contact heating.

(Com. : 42 Pages;

Drwgs. : 15 Sheets)

Ind. Cl. : 39 B

181137

Int. Cl.⁴ : C 01 D 1/22

A METHOD OF PRODUCING A METAL CARBONATE.

Applicant : BRUNNER MOND & CO. LIMITED, A BRITISH COMPANY OF MONSIEUR, NORTH-WICH, CHESHIRE CW8 4DT, U.K.

Inventor : RICHARD DEREK ANTHONY WOODE.

Application No. 706/Mas/92 dated 25th November 1992.

Convention Date : 26th November 1991 - (No. 9125044-9 United Kingdom).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

11 Claims

A method of producing an alkali metal carbonate comprising passing an aqueous solution or suspension of the chloride and the bicarbonate of the alkali metal through a solid ion exchange resin, such as herein described, which in the aqueous environment is chloride retaining and has a basicity greater than that of the bicarbonate ion but less than that of a milk of lime suspension and recovering an aqueous solution or suspension of the alkali metal carbonate from the resin.

(Com. : 27 Pages;

Drwg. : 1 Sheet)

Ind. Cl. : 97 E

181138

Int. Cl. : H 05 B 6/D2

AN INDUCTION FURNACE.

Applicant : AREVEDI GIOVANNI, AN ITALIAN CITIZEN, OF VIA MERCATELLO, 26, CREMONA, ITALY.

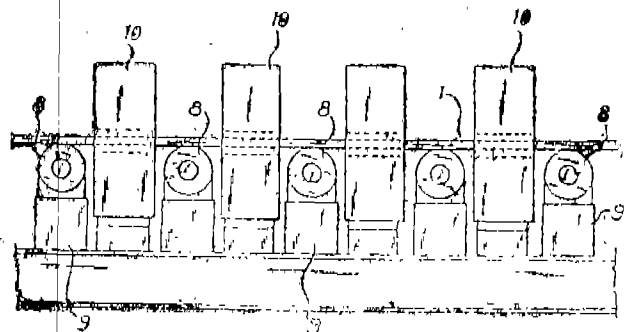
Inventor : AREVEDI GIOVANNI.

Application No. 712/Mas/1992 filed on 26th November, 1992.

Appropriate Office for Oppositions Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

4 Claims

An induction furnace for heating, at homogenous temperature, flat products (1) such as thin alabs or steel strips continuously crossing said furnace, comprising in succession inductor coils (2), each of which is embedded in an inductor assembly with refractory material (3) and is separately fed through frequency converters, pairs of rollers (8) between each coil and the subsequent one, for supporting and feeding forward the flat product (1), wherein the size of each coil (2) in the feeding direction of the strip is 350 mm or less, characterized in that each coil (2) is enclosed in a linear flux concentrator (5) extending along the whole width of coil (2) in the crosswise direction with respect to the feeding of flat product (1).



(Comp. Specn. : 13 Pages;

Drwg. 3 Sheets)

3-37GI/98

Ind. Cl. : 24- F

181139

Int. Cl. : F 16 D 65/14; 67/00

AN ACTUATOR WITH AUTOMATIC ADJUSTMENT FOR BRAKES ESPECIALLY IN TRUCKS AND BUSES.

Applicant : LUCAS INDUSTRIES PUBLIC LIMITED COMPANY, A BRITISH OF BURETON HOUSE, NEW ROAD, SOLIHULL, WEST MIDLANDS, B91 3TX, GREAT BRITAIN.

Inventor : WILFRIED GIERING.

Application No. 718/Mas/92 dated December 1, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

7 Claims

An actuator with automatic adjustment for brakes, especially in trucks and buses, comprising

— a housing (32) which has a housing axis (A) and encloses at least one first cam surface (54) disposed around said axis,

— a rotary member (38) which is rotatable about the housing axis (A), includes an axial extension (76) to receive an actuating member (80), and comprises at least one second cam surface (40) by which it bears against the first cam surface (54) to cause axial displacement in response to its rotation,

— a first screw member (60) which is rotatable about the housing axis (A),

— a second screw member (70) which being fixed against rotation, is designed to apply actuating force on a brake pad (24) and is connected to the first screw member (60) by paired adjustment threads (72),

— a coupling device (98) for transmitting limited torque from the rotary member (38) to the first screw member (60) for axial readjustment of the brake pad (24),

— a return shaft (90) supported laterally spaced from the housing axis (A), and

— a pinion (112) coupled to the first screw member (60), the return shaft (90) acting through the pinion (112) to permit the two screw members (60, 70) to be threaded back with respect to each other for an exchange of the brake pad (24), characterized in that,

— the rotary member (38) is provided with teeth (86) around its circumference,

— the coupling device (98) is disposed around the return shaft (90) and meshes with the teeth (86) of the rotary member (38) by teeth (89) so that the limited torque is transmitted from the rotary member (38) through the coupling device (98) and the pinion (112) to the first screw member (60),

— the pinion (112) is biased resiliently in axial direction to obtain frictional engagement and is connected to the coupling device (98) by a freewheel slip coupling so that, during operation, rotation of the first screw member (60) is allowed only in the sense of reducing the clearance to ease the brake.

(Com. : 17 Pages;

Drwgs. : 8 Sheets)

Ind. Cl. : 50 F

181140

Int. Cl. : F 25 B 43/00

A HERMETIC RECIROCATING COMPRESSOR.

Applicant : TECUMSEH PRODUCTS COMPANY 100 EAST PATTERSON STREET, TECUMSEH, MICHIGAN 49286 U.S.A.

Inventor : NELIK I DREIMAN.

Application No. 719/Mas/92 filed on 1st Dec. 1992.

8 Claims

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

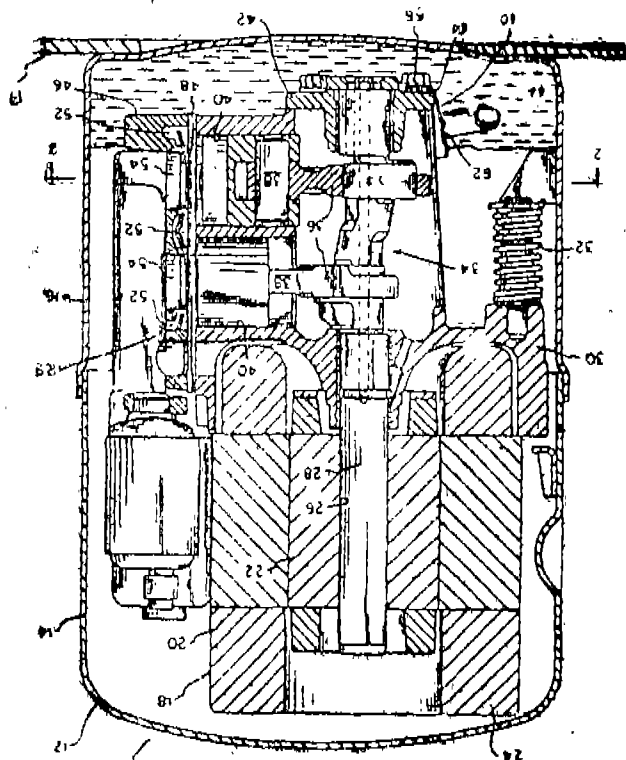
6 Claims

A hermetic reciprocating compressor comprising :

a housing containing an oil sump;

a crankcase, disposed in said oil sump, said crankcase defining a running gear cavity at equal pressure with and directly open to said housing, said crankcase containing at least one cylinder with a reciprocating piston therein said cavity containing crank means for reciprocating said piston, said cavity in communication with said cylinder;

a motor drivingly connected to said crank means; and a oil baffle means comprising a flange having a vertical portion, said oil baffle means attached to said crankcase to separate said running gear cavity from said oily sump for preventing oil from being repetitively drawn into and from said cylinder, said running gear cavity communicating with the interior of said housing over said baffle means.



(Com. Spe. : 13 Pages;

Drwgs. : 3 Sheets)

Ind. Cl. : 129 G

181141

Int. Cl.⁴ : B 28 D 1/00

ROTATING TOOL.

Applicant & Inventor : SVEN ERIC SJODIN, A SWEDISH CITIZEN OF D. KARRSLEDEN 37, S-162 24 VALLINGBY, SWEDEN.

Application No. 55/Mas/93 dated 28th January 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

A rotating tool, comprising :

a hub having a central section for attaching said hub to a rotatable shaft and a disc-shaped hub section surrounding said central section, said central section and said hub section being comprised of an elastomeric material and formed as a unitary body;

a plurality of sleeves embedded in said hub section, sleeve having an end terminating in said hub section and an opposing end protruding from said hub section, the protruding ends being spaced around a circumference of said hub section; and working tips fastened in the protruding end of each sleeve, each working tip having a base disposed in the protruding end of the sleeve and a tip protruding from said end of the sleeve.

(Comp. : 11 pages;

Drwgs. : 2 sheets)

Ind. Cl. : 180

181142

Int. Cl.⁴ : F 24 C 5/04

KEROSENE STOVE WITH GRAVITY FEED FUEL TANK AND CYLINDRICAL WICK.

Applicant & Inventor : MATHEW V. MATHEW, VEENAMALIL (H), KEEZHILLAM P.O., PERUMBAVOOR, ERNAKULAM DISTRICT, KERALA, INDIAN NATIONAL.

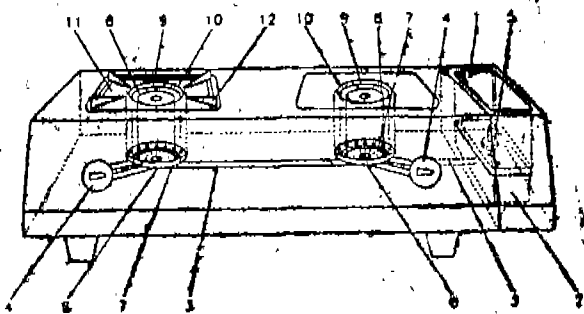
Application and Provisional Specification No. 56/Mas/93 dated January 29, 1993.

Complete Specification left : May 21, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

1 Claim

A kerosene stove with gravity feed fuel tank and cylindrical wick comprising a fuel regulating valve fitted at the bottom of said tank where in a hole is provided the fuel regulating valve consists of a stopper fastened on a pin that is fixed on the tank with the help of a metallic clamp, a spring is kept in between the metallic clamp and the stopper, at the bottom of the fuel tank with fuel regulative valve a Kerosene Tray is fitted which is connected with fuel feed tube, the fuel feed tube is connected with burners with cylindrical wick which consists of an asbestos sheet covered with brass mesh.



(Prov. : 5 pages;

Com. : 4 pages;

Drwgs. : 4 sheets)

Ind. Cl. : 201 D

181143

Int. Cl.⁴ : C 02 F 1/00

A METHOD OF PURIFYING WASTE WATER BY PASSING THROUGH HELOPHYTE PLANT CONTAINING FILTER BEDS.

Applicant : PROF. DR. REINHOLD KICKUTH AND REINHOLD KICKUTH JUN; BOTH OF FELDBERGGRING 11, DE-3433 NEU-EICHENBERG-HERMANNRODE AND DIPL.-ING. ALEXANDER KICKUTH OF IN DER KOHLERHEIDE 3, DE-3160 LEHRTE, GERMANY; GERMAN NATIONALS.

Inventor : PROF. DR. REINHOLD KICKUTH.

Application No. 59/Mas/93 dated 29th January 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

4 Claims

A method of purifying waste water wherein the waste water to be purified is passed through a plant containing filter bed (1) which is planted with emergent helophytes and has a bottom gravel bed (5) installed along a first part (L) of the total length of the plant containing filter bed (1) in the flow direction of the waste water and is hydraulically connected to an inlet (2) and an outlet (3) of the plant containing filter bed (1), said bottom gravel bed (5) forming a dam-up space, comprising the steps of :

(i) passing said waste water to be purified, into said plant containing filter bed (1) through an inlet (2) at a liquid level (8), said inlet having an infiltration cross-section (ϕ) defining an infiltration width;

(ii) thereafter passing said waste water to be purified from said inlet (2) through said plant containing filter bed (1) substantially along said first part (L) of said total length of the plant containing filter bed (1) substantially horizontally and at said liquid level (8), defined by said inlet (2), under the action of artesian pressure generated by the flow of said waste water to be purified through said bottom gravel bed (5);

(iii) further passing said waste water through a second part (1) of said total length of the plant containing filter bed (1) under a predetermined hydraulic gradient ($\Delta h / \Delta s$); and

(iv) selecting said second part (1) of said total length of said plant containing filter bed (1) according to the equation

$$l = \Delta s = \frac{k_f \phi \Delta h}{Q} \text{ wherein}$$

$l = \Delta s$ = second part of total length of the plant containing filter bed, m;

k_f = soil body permeability coefficient, m/sec;

ϕ = infiltration cross-sectional area, m²;

Δh = depth of the plant containing filter bed at the outlet end of bottom gravel bed; and

Q = waste water throughflow, m³/sec.

(Com. : 24 pages;

Drwgs. : 3 sheets)

Ind. Cl. : 161 C

181144

Int. Cl. : E 01 H 5/00

A ROAD PLANING TOOL.

Applicant : SANDVIK AB, S-811 81 SANDVIKEN, SWEDEN, A SWEDISH COMPANY.

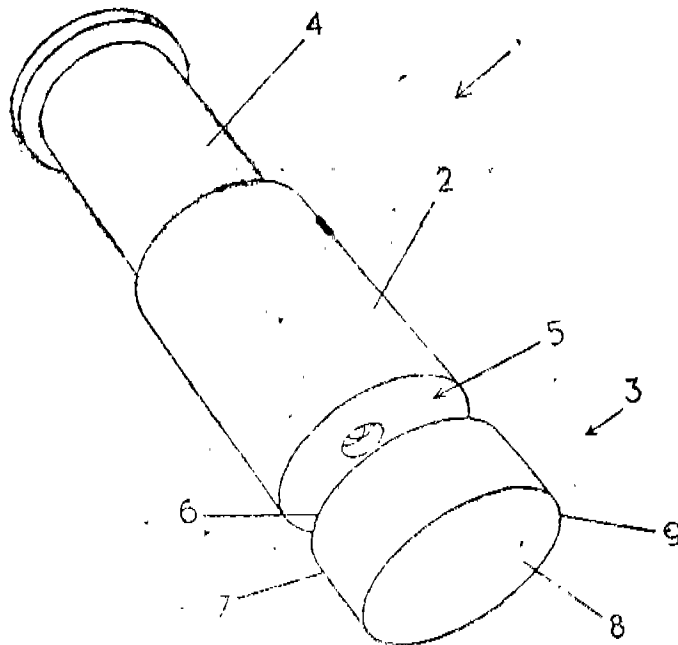
Inventor : BO GOSTA TIBACK.

Application No. 66/Mas/93 dated February 1st 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

8 Claims

A road planing tool (1) comprising a total blank (2), a bearing portion (4) disposed at a rear end of said tool blank and a metal tip (3) disposed at a front end of said tool blank, said bearing portion (4) configured to be freely rotatably mounted in a road planing cutter with said metal tip (3) contacting the road surface, a longitudinal axis of said tool forming in an operative position of the road planing cutter, an angle in the interval 20°—90° relative to a road surface, characterized in that the said metal tip (3) having a rear end surface (6) attached to said front end of said tool blank has one of a cylindrical or slightly conical portion (7) extending forwardly from said rear end surface to a front end surface (8) of said metal tip, and the said metal tip has a sharp circular cutting edge (9) in the transition between said front end surface (8) and said one of the cylindrical or slightly conical portion (7).



(Com. : 18 pages;

Drwgs. : 3 sheets)

Ind. Cl. : 95 K

181145

Int. Cl. : B 25 B 17/02

TORQUE WRENCH.

Applicant : HEDLEY PURVIS LIMITED OF UNIT 5, COOPIES LANE, INDUSTRIAL ESTATE, MORPETH, NORTHUMBERLAND, NE61 6JU, ENGLAND (A BRITISH COMPANY).

Inventors :

1. IAN CLIFFORD THOMPSON

2. DAVID CAMPBELL

Convention date : 10th February 1992 (No. 92.02776.2 United Kingdom).

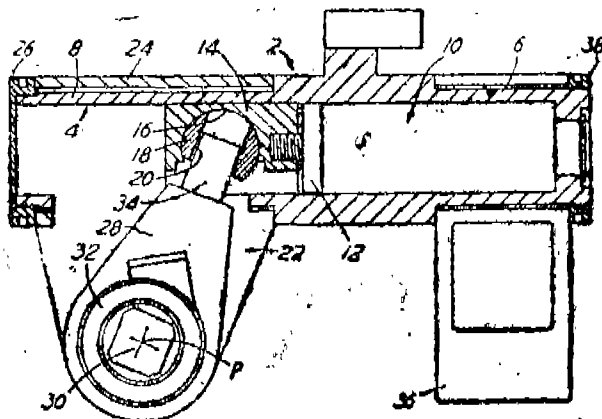
Application No. 75/Mas/93 dated 3rd February 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

7 Claims

A hydraulic torque wrench comprising a body member (2) having a linearly reciprocal piston cylinder assembly (10), a shuttle member (14) secured to the piston to undergo guided linear reciprocal movement with the piston within the body member (2), and at least one housing (22) containing a drive member (28) pivotal by said piston-cylinder

assembly (10) about an axis (P), radially spaced from the line of action (X—Y) of the piston, said drive member (28) having neck portion (34) radially remote from said pivot axis (P), holding means (30) carried by the drive member (28), to be rotatable co-axially with said drive member (28), and a ratchet connection (32) between the drive member (28), and the holding means (30), characterised in that a cylindrical bore (16) is formed in the shuttle member (14), the central longitudinal axis of which extends parallel with the pivot axis of the drive member (28), and a correspondingly-cylindrical drive pin (18) is located within said bore (16) to be rotatable therein about said central longitudinal axis, the drive pin (18) having a transverse bore (20) formed therein slidably received within which is the neck portion (34) of the drive member (28), the arrangement being such that, on linear movement of the piston and attached shuttle member (14), the drive member (28) is pivoted about the pivot axis (P) with the neck portion (34) of the drive member (28) undergoing guided sliding movement in the bore (20) of the drive pin (18), and the drive pin (18) pivoting about the central longitudinal axis of the bore (16) in the shuttle member (14).



(Com. : 17 pages;

Drawgs. : 3 sheets)

Ind. Cl. : 172—C

181146

Int. Cl.⁴ : D 01 G 15/00

AN INSTRUMENT TO ESTIMATE NEPPING POTENTIAL OF FIBRES.

Applicant : THE SOUTH INDIA TEXTILE RESEARCH ASSOCIATION, A COIMBATORE AERODROME POST, COIMBATORE-641 014, TAMIL NADU, INDIA. (A SOCIETY REGISTERED UNDER THE SOCIETIES REGISTRATION ACT, 1860).

Inventors :

- (1) TARAKAD VEDAMURTHY RATNAM
- (2) AYIKUDY RAMASUBRAMONIA KALYANARAMAN
- (3) RAMASWAMY PRAKASAM

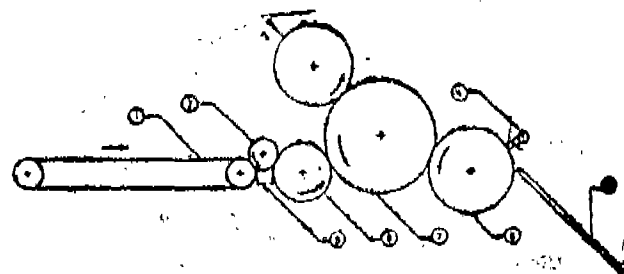
Application and Provisional Specification No. 76/Mas/93 dated February 3, 1993.

Complete Specification left : May 5, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

7 Claims

An instrument to estimate the nepping potential of fibre comprising means for feeding fibre through feed plate, a feed roller and a licker-in roller in that order to a cylinder for carding the fibre fed thereto, the said cylinder being provided with means for limiting the fibre fed thereto, a doffer roller and a doffing comb to isolate the web formed in the cylinder, and an inspection platform on which the web emerges for assessment by conventional means.



(Prov. : 7 pages; Com. : 8 pages; Drawgs. : 1 sheet)

Ind. Cl. : 136 D

181147

Int. Cl.⁴ : B 29 C 31/08

AN IMPROVED STRAIGHT DIPPING PROCESS FOR MANUFACTURING ARTICLES FROM RUBBER LATEX COLLOID/EMULSION AND IMPROVED ARTICLES MADE THEREBY.

Applicant & Inventor : CHITTUR SUBRAMANIAIYER KRISHNASWAMY, 20 BEST AVENUE, MADRAS-600020; AN INDIAN CITIZEN;

Application No. 77/Mas/93 dated 3rd February 1993.

Complete Specification left : April 21, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

18 Claims

An improved straight dipping process for manufacturing articles from rubber latex colloid/emulsion comprising the steps of first dipping a mould/former in a known coagulant bath consists of a gelling agent, natural or synthetic diatomaceous earth, wetting agents and viscosity regulators and then in a second coagulant bath consisting of at least 1 to 99% less by weight of the gelling agent and substantially reduced natural or synthetic diatomaceous earth or calcium carbonate than in the first bath, subsequently immersing the so treated mould/former in a rubber latex colloid/emulsion bath to preform the article thereon under known conditions, leaching wet powder treating and passing the said mould/former with the preform through a heated oven at a temperature ranging from 90° to 130°, stripping the preform the mould/former, and passing the same through a tumbler drier to remove excess powder therefrom.

(Prov. : 9 pages;

Com. : 18 pages)

Ind. Cl. : 201 D

181148

Int. Cl.⁴ : C 02 F 1/00

A METHOD OF PURIFYING MERCURY CONTAINING LIQUIDS.

Applicant : HULS AKIENGESSELLSCHAFT, A GERMAN COMPANY OF 4370 MARL 1, KREIS RECKLINGHAUSEN, GERMANY.

Inventors : DR. GUNTHER ZOCHER.

Application No. 87/Mas/93 dated 5th February 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

6 Claims

A method of purifying mercury-containing liquids by eliminating mercury therefrom, comprising contacting fibres having a silver layer coating with the mercury-containing

liquid to form amalgam formation with silver and subsequently removing the amalgam formation in a known manner.

(Comp. : 13 pages)

Ind. Cl. : 126 D, 127 I

181149

Int. Cl. : G 01 M 1/38

APPARATUS FOR BALANCING A COMBINED ASSEMBLY OF A DRIVE SHAFT AND AXLE INPUT SHAFT.

Applicant : DANA CORPORATION, A CORPORATION OF THE STATE OF VIRGINIA OF 4500 DORR STREET, TOLEDO, OHIO 43615, U.S.A.

Inventors :

1. DAVID W. MAXWELL
2. JAMES E. REYNOLDS
3. GARY L. SMITH
4. LEON W. VALENCIC

Application No. 91/Mas/93 dated 8th February 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

12 Claims

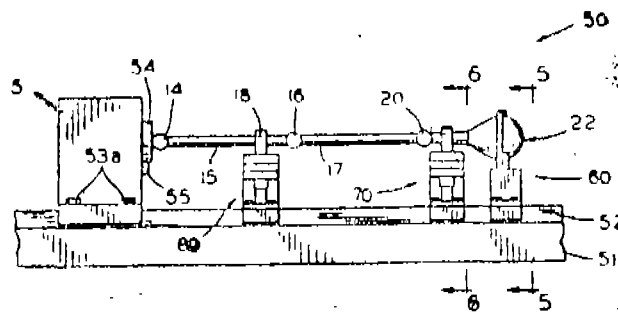
An apparatus for rotatably balancing a combined assembly of a drive shaft for a vehicle and an input shaft mounted in a vehicle axle, the second end of the drive shaft being connected to the input shaft, said apparatus comprising : means for rotatably supporting the drive shaft;

means for supporting the axle;

means for rotating the combined assembly of the drive shaft and the input shaft;

means for measuring vibrations generated by the drive shaft and input shaft as they are rotated and for generating signals in response thereto; and

means responsive to said vibration signals for calculating and displaying a recommended size and position for one or more balance weights to be secured to the drive shaft to rotatably balance a combined assembly.



(Comp. : 20 pages;

Drawgs. : 4 sheets)

Ind. Cl. : 107 E

181150

Int. Cl. : F 01 N 7/00

EXHAUST MANIFOLD WITH CATALYTIC WALL FOR INTERNAL COMBUSTION ENGINES.

Applicant : INSTITUT FRANCAIS DU PETROLE, A FRENCH BODY CORPORATE OF 4 AVENUE DE BOIS FREAU, 92506 RUEIL MALMAISON, FRANCE.

Inventors :

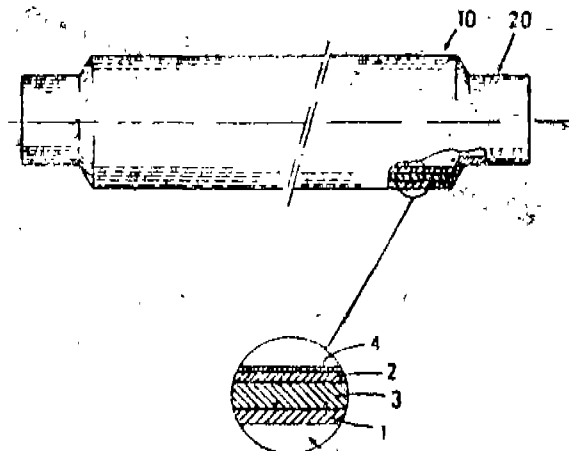
1. MICHEL PRIGENT
2. DANIEL DURAND
3. JEAN FAVENNEC

Application No. 99/Mas/93 dated 9th February 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

10 Claims

An exhaust manifold for the catalytic treatment of the exhaust gases of an internal-combustion engine comprising a metallic outer tube (1) having a catalyst layer (4) in direct contact with the exhaust gases and also comprising at least one inner tubular element (2), substantially coaxial to said outer tube (1) and providing with the latter at least one space (3), the inner surface of said inner tube (2) being coated with said catalyst layer (4), characterized in that it comprises an inner tube (2) of corrugated profile.



(Com. : 16 pages;

Drawgs. : 1 sheet)

Ind. Cl. : No. 49

181151

Int. Cl. : No. A 23 P—01/12

AN APPARATUS FOR AUTOMATIC MANUFACTURE OF FORMED DOUGH FOR MAKING FRIED SNACKS SUCH AS "MURUKKU".

Applicant : KUMARASAMY SANKARAN, C/O. VEERAMANI INDUSTRIES, 31, SAMBANTHA MOORTHY STREET, MADURAI 625 001, TAMIL NADU, INDIA.

Inventor : KUMARASAMY SANKARAN.

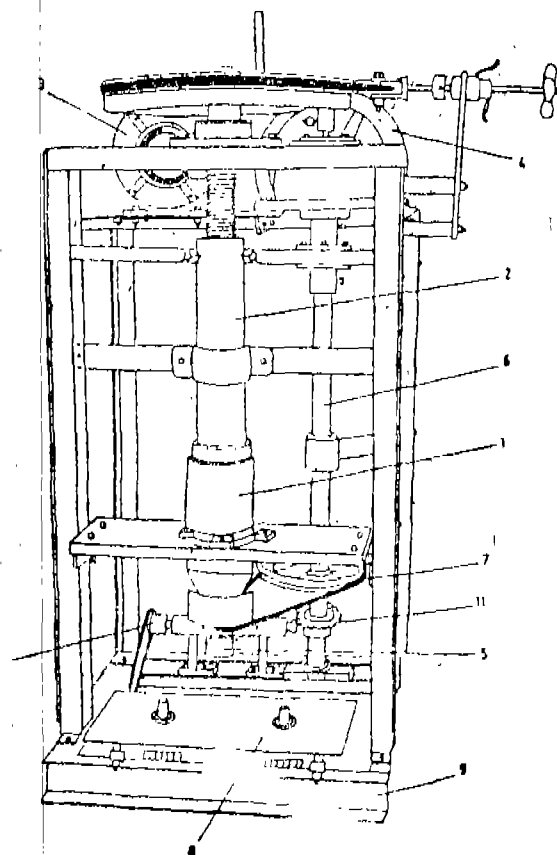
Application No. 015/Mas/93, filed on 12th January, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

02 Claims

An apparatus for automatic manufacture of formed dough for making fried snacks such as "MURUKKU" said apparatus comprising a frame (9) with a vertically mounted cylinder (1) having an extrusion die (5) at the bottom, a vertically movable piston (2) driven by a motor (3) with a pulley system (4) on a shaft (6) which provides drive (7) for the rotational movement of the die (5), lateral moving means (10, 11) for a receiving plate (8) to receive the

extruded formed dough for making "murukku" and a brake and reversing mechanism for retracting the piston from the cylinder.



(Comp. : 05 pages;

Drawgs. : 02 sheets)

Ind. Cl. : 114 F

181152

Int. Cl. : C 14 C 1/00

A PROCESS FOR OBTAINING A STABILIZED HIDE.

Applicant : SOCIETE FRANCAISE HOECHST, TOUR ROUSSEL-HOECHST, 1 TERRASSE BELLINI, 92800 PUTEAUX, FRANCE, A FRENCH COMPANY.

Inventors :

1. PORE JEAN
2. CUCCODORO SERGIO
3. MORETTI JEAN-PIERRE
4. ROUET PATRICE

Application No. 16/Mas/93 dated January 13, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

6 Claims

A process for obtaining a stabilized hide comprising the steps of treating a non-stabilized hide at a pH between 1 and 9, at ambient temperature, in an aqueous/brine bath having a density between 1.04 and 1.09 with an aqueous silica sol containing by weight 10 to 50% silica in the form of discrete particles having an average diameter between 3 and 100 nm.

(Com. : 16 pages)

Ind. Cl. : 172 C3, 9

181153

Int. Cl. : D 01 H 13/00

A CONTACT-FREE YARN MONITORING DEVICE.

Applicant : RIETER INGOLSTADT SPINNEREIMASCHINENBAU AKTIENGESELLSCHAFT, A GERMAN COMPANY OF FRIEDRICH-EBERT-STRASSE 84m 8070 INGOLSTADT, GERMANY.

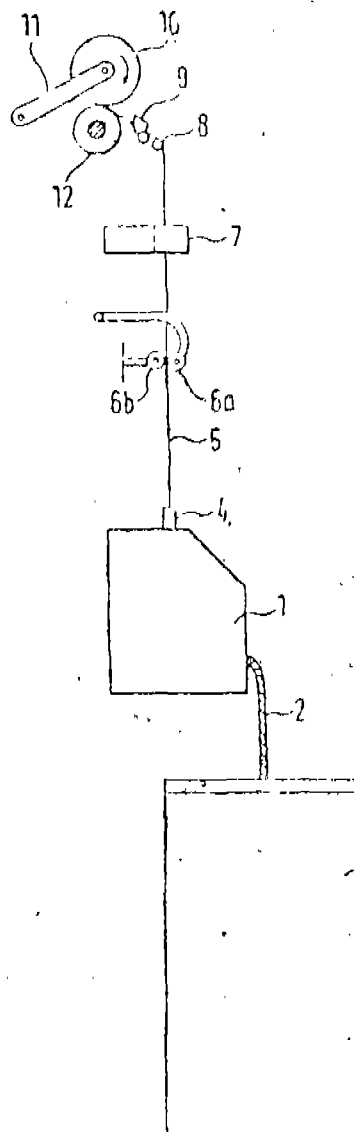
Inventor : POZZO, HANS.

Application No. 25/Mas/93 dated 19th January 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

7 Claims

A contact-free yarn-monitoring device comprising a U-shaped measurement gap between two sensor surfaces (13) disposed opposite to each other, the said sensor surfaces (13) being positioned in the traversing region between draw-off roller and friction roller or below the draw-off roller of a spinning machine wherein the centre of the measurement gap is situated in the middle of the traversing width and the measurement gap is limited by a stop (14) situated in the edge region of the traversing width and as far as possible at the reversal point of the traversing thread.



(Comp. : 17 pages;

Drawgs. : 3 sheets)

Ind. Cl. : 5—D

181154

Int. Cl.⁴ : A 01 G 25/00

"A DRIP IRRIGATION EMITTER".

Applicant : PLASTRO+GVAT, A REGISTERED PARTNERSHIP OF KIBBUTZ GVAT, 30 050 DOAR GVAT, ISRAEL, A COMPANY ORGANISED UNDER THE LAWS OF ISRAEL.

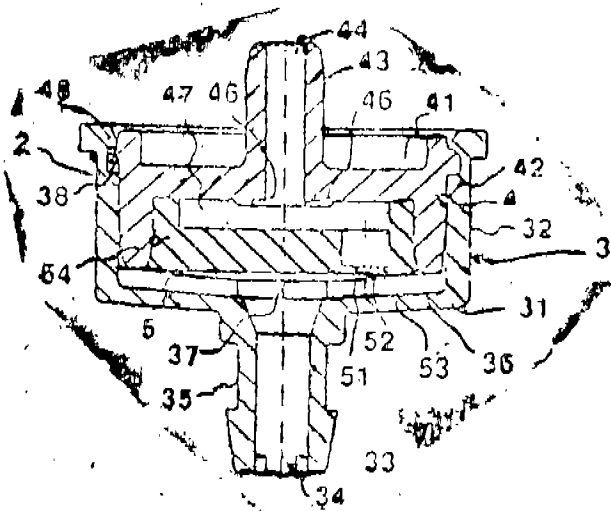
Inventor : I. ZVI EINAV.

Application No. 26/Mas/93 filed 19th January, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

11 Claims

A drip irrigation emitter, comprising : a housing (2; 102) having an inlet opening (34; 131) and an outlet opening (44; 141); and an elastomeric membrane (5; 105) located in said housing and defining an inlet chamber (37; 133) communicating with said inlet opening (34; 131), and an outlet chamber (47; 143) communicating with said outlet opening (44; 141); one side of said elastomeric membrane (5; 105) being formed with a recess (52; 152) extending partially through the membrane to define a thin wall section (53; 153) of smaller thickness than the remainder of the elastomeric membrane (5; 105); said elastomeric membrane (5; 105) having a flow-restrictor orifice (51; 151) through said thin wall section (52; 153) and of smaller cross-sectional area than that of said recess (52; 152) to produce a pressure drop in the fluid flowing therethrough and through the outlet chamber (47; 143) to said outlet opening (41; 141); said membrane being deformable such that a portion thereof, laterally of said recess (52; 152) and orifice (51; 151) and aligned with said outlet opening (44; 141), is displaceable towards and away from said outlet opening (44; 141) to restrict or enlarge the flow thereto in response to changes in the inlet pressure and thereby to regulate the flow through said outlet opening (44; 141).



(Com. : 13 pages)

Drwgs. : 4 sheets)

Ind. Cl. : 40 B

181155

Int. Cl.⁴ : B 01 J 35/10

A COMPOSITE CATALYST COMPOSITION FOR THE ALKYLATION OF PARAFFINS.

Applicant : INSTITUT FRANCAIS DU PETROLE, A FRENCH COMPANY OF 4 AVENUE DE BOIS PREAU, 92502 RUEIL MALMAISON, FRANCE.

Inventors :

1. BENAZZI ERIC
2. HIRSCHAUER ANDRE
3. JOLY JEAN-FRANCOIS
4. OLIVIER HELENE
5. BERNHARD JEAN-YVES

Application No. 37/Mas/93 dated 21st January, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

9 Claims

A composite catalyst composition for alkylation of paraffins comprising an organic or mineral porous support with a specific surface between 0.01 and 1500 m²/g and a total porous volume between 0.005 and 1.5 cm³/g and impregnated with at least one mixture constituted by at least one halide of aluminium and boron and at least one compound selected from ammonium halides and amine hydrohalides.

(Com. : 26 pages)

Ind. Cl. : 150 EG 129 B

181156

Int. Cl.⁴ : F 16 L 55/16 B 29 C 55/30

A DIE.

Applicant : BRITISH GAS PLC., OF RIVERMILL HOUSE, 152 GROSVENOR ROAD, LONDON SW1V 3JL, UNITED KINGDOM, A BRITISH COMPANY.

Inventor : EDWARD POPE.

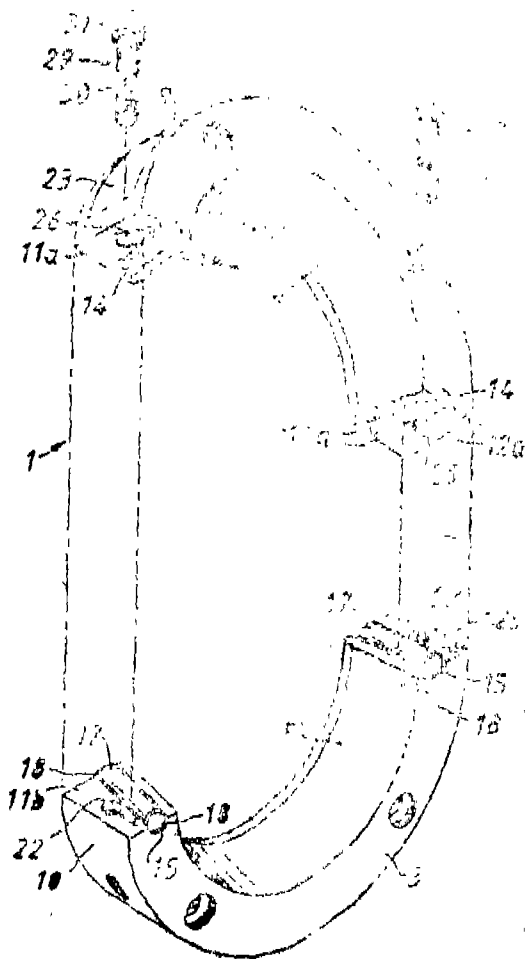
Application No. 38/Mas/93 dated January 21, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

16 Claims

A die for use in pipe lining comprising two or more segments having abutment surfaces and means for releasably securing the segments together in abutting relationship to form the assembled die, each segment having at least one formation which is engagable with a complementary formation of an adjacent segment so as to locate adjacent segments in proper alignment with respect to each other, when

the opposing abutment surfaces are in abutment, preparatory to securing the segments together to form the assembled die.



(Com. : 17 pages;

Drawgs. : 3 sheets)

Ind. Cl. : 32 E

181157

Int. Cl.⁴ : C08 G 8/00

A PROCESS FOR PREPARING A PHENOLIC RESOLE RESIN.

Applicant : BORDEN CHEMICAL INC., A DELAWARE CORPORATION OF 180 EAST-BROAD STREET, COLUMBUS, OHIO 43215, U.S.A.

Inventors :

1. CALVIN KEITH JOHNSON
2. DAVID RAY ARMBRUSTER
3. SUDHIR KUMAR TRIKHA

Application No. 42/Mas/93 dated 25th January 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

12 Claims

A process for preparing a phenolic resole resin comprising the steps of :

(a) reacting from 0.05 to 0.3 moles of a dialdehyde, such as herein described, per mole of a phenolic compound such as herein described; and

(b) subsequently reacting the resulting product of (a) with from 0.4 to 2.8 moles of formaldehyde per mole of phenolic compound to obtain the phenolic resole resin.

(Com. : 32 pages)

Ind. Cl. : 32 E

181158

Int. Cl.⁴ : C08 G 8/00

A METHOD FOR THE MANUFACTURE OF A HARDENED PHENOLIC RESOLE RESIN.

Applicant : BORDEN CHEMICAL INC., A DELAWARE CORPORATION, OF 180 EAST-BROAD STREET, COLUMBUS, OHIO 43215, U.S.A.

Inventors :

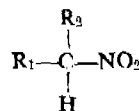
1. S RAJA IYER
2. DAVID RAY ARMBRUSTER
3. ARTHUR HARRY GERBER

Application No. 43/Mas/93 dated January 25, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

7 Claims

A method for the manufacture of a hardened phenolic resole resin comprising contacting at ambient temperature a hardenable phenolic resole resin, such as herein described with a nitroalkane and a hardening agent, such as herein described, which hardens the resin at ambient temperature under alkaline conditions wherein the nitroalkane is in an amount sufficient to retard the hardening, said nitroalkane having the formula :



wherein each of R_1 and R_2 is a member selected from the group consisting of hydrogen, alkyl group having from 1 to 5 carbon atoms and wherein R_1 and R_2 taken together with the carbon to which they are attached is a cycloaliphatic group and wherein the total number of carbon atoms in the nitroalkane does not exceed 6.

(Com. : 43 pages;

Drawgs. : Nil)

Ind. Cl. : 136 F

181159

Int. Cl.⁴ : B 29 C 49/00.

A CROSS LAMINATE AND A PROCESS FOR MANUFACTURING THE SAME.

Applicant & Inventor : OLE-BENDT RASMUSSEN; A DANISH CITIZEN; OF OBERSECKEN 5, CH-5318 WALCHWIL, SWITZERLAND,

Application No. 45/Mas/93 dated 25th January 1993.

Convention Date : 29th January 1992—(No. 9201880.3 United Kingdom).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

25 Claims

A cross-laminate of at least two films formed from orientable thermoplastic polymer material, in which each film is uniaxially oriented or biaxially oriented in unbalanced manner, and the major directions of the individual films criss-cross each other, and the cross laminate exhibits a pattern of striations constituted by thickness variations corresponding to the variable stretching ratios in the direction perpendicular to said striations, characterised in that said pattern comprises ribs which are thicker than the average thickness of the laminate and have a generally concave and a generally convex surface to form a bending of the rib transverse of its longitudinal direction and in that the material in or adjacent to the boundaries of the ribs in the tensionless state of the material are bent in the opposite direction to

the rib to give the material between the two adjacent ribs a generally straightened-out shape.



(Compl. Specn. 51 pages;

Drwgs. 7 sheets)

Ind. Cl. : 116 F

181160

Int. Cl.⁴ : B 66 B 9/00.

CABLE-FREE PERSONNEL CONVEYING SYSTEM.

Applicant : INVENTIO AG, A SWISS COMPANY OF SEESTRASSE 55, CH-6052 HERGISWIL, SWITZERLAND.

Inventors :

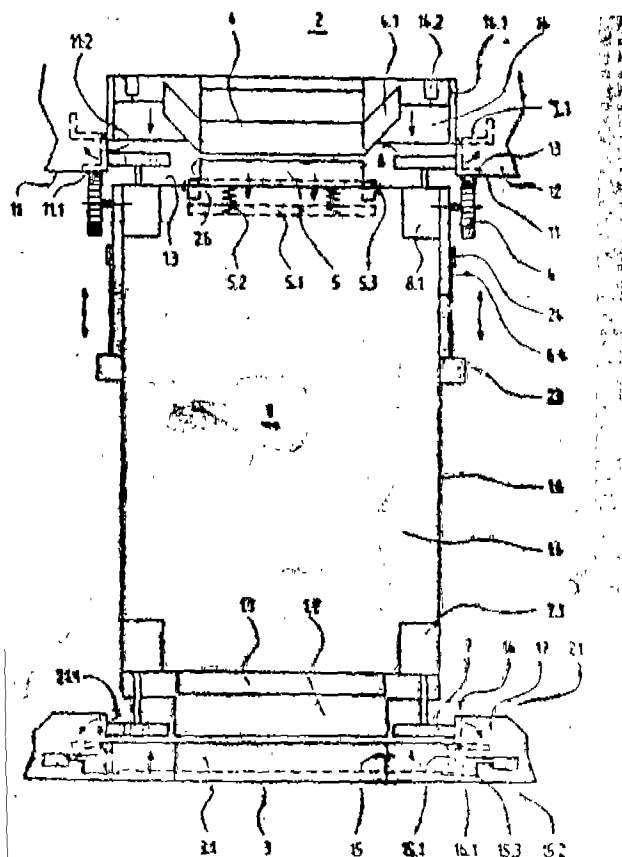
1. WOLFGANG MULLER
2. VIKTOR WUNDERLIN.

Application No. 52/Mas/93 dated 28th January 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

15 Claims

Cable-free personnel conveying system for high buildings with automative cages, wherein several cages move in the same shaft, at the same time, several shafts are present and the cages are displaced horizontally at certain places of a shaft, and wherein horizontal guide equipments for a horizontal travel of an automative cage (1) are present between at least two of these travel shafts, characterised thereby that the automative cage (1) comprises a friction wheel drive for the horizontal travel and combined friction wheel drive and linear drive for the vertical travel.



(Compl. Specn. 23 pages;

Drwgs. 5 sheets.)

4-37GI/98

Ind. Cl. : 9 E

181161

Int. Cl.⁴ : C 22 C 19/03.

A PROCESS FOR PREPARING NICKEL-BASE ALLOY HAVING IMPROVED THERMAL STABILITY.

Applicant : HAYENS INTERNATIONAL INC. P.O. BOX 9013, KOKOMO, INDIANA 46904-9013, USA, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE.

Inventor : DWAIN LEROY KLARSTROM.

Application No. 106/Mas/93 dated February 12th 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

27 Claims

A process for preparing nickel-base alloy having improved thermal stability comprising the steps of : (a) forming a molten mass of nickel-base having the general formula $Ni^{100-a-b-c-d-e}Mo^aX^bY^cZ^d$ where : a is more than 73 and less than 77 atom percent; b is more than 18 and less than 23 atom percent; X is one or more required substitutional alloying elements selected from groups VI, VII and VIII of the Periodic Table where c is at least two atom percent and does not exceed five atom percent for any one such element; Y is one or more optional substitutional alloying elements, such as herein described, which may be present where d does not exceed about one atom percent for any one such element; and Z is one or more interstitial alloying elements, such as herein described, where e does not exceed about 0.1 atom percent for any such element; (b) analyzing a representative sample of the molten mass to determine the chemical composition thereof; (c) calculating the sum total of all alloying elements other than nickel and molybdenum; (d) determining the amount of additional alloying materials which must be added to the molten mass in order to adjust said sum total to be

within the range of about 2.5 to 7.5 atom percent and said sum, plus 0.7 times the molybdenum concentration, to be in the range of 17 to 21 atom percent; and (e) adding said amount of additional alloying elements selected from Groups VI, VII and VIII of the Periodic Table to the molten mass to obtain thermally stable nickel-base alloy.

(Compl. Specn. 32 pages;

Drngs. 5 sheets.)

Ind. Cl. : 172 C 9

181162

Int. Cl. : D01H 11/00.

DEVICE FOR MANUFACTURING TEXTILE MATERIALS FREE OF IMPURITIES.

Applicant : ZELLWEGER USTER AG OF WILSTRASSE 11, CH-8610, USTER, SWITZERLAND (A SWISS COMPANY).

Inventors :

1. JOSS ROLF

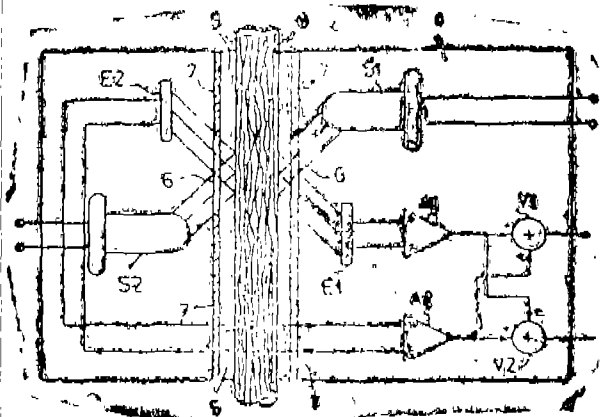
2. DR. WAMPFLER HANS.

Application No. 121/Mas/93 dated 17th February 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

7 Claims

Device for manufacturing textile material free of impurities comprising transmission means for illuminating the textile material, reception means for measuring the light reflected and/or absorbed by the textile material, and means for evaluating the measurement signals, characterised in that the transmission means (S1, S2, S3) are designed in such a way that a simultaneous illumination of a plurality of points located on the same portion of textile test material (G) or a multiple illumination of the test material at the same point takes place, and in that reception means (E1, E2, E3) are provided for the light reflected and/or attenuated by the test material at said points.



(Compl. Specn. 13 pages;

Drng. 1 sheet.)

Ind. Cl. : 4 A 4

181163

Int. Cl. : B64C 39/00.

AN ATTACHMENT ASSEMBLY FOR FASTENING A PRESSURE VESSEL TO ANOTHER OBJECT.

Applicant : HERCULES INCORPORATED, OF HERCULES PLAZA, WILMINGTON, DELAWARE 19894-0001, USA, A CORPORATION OF THE STATE OF DELAWARE, USA.

Inventors :

1. OTTO G RATZ

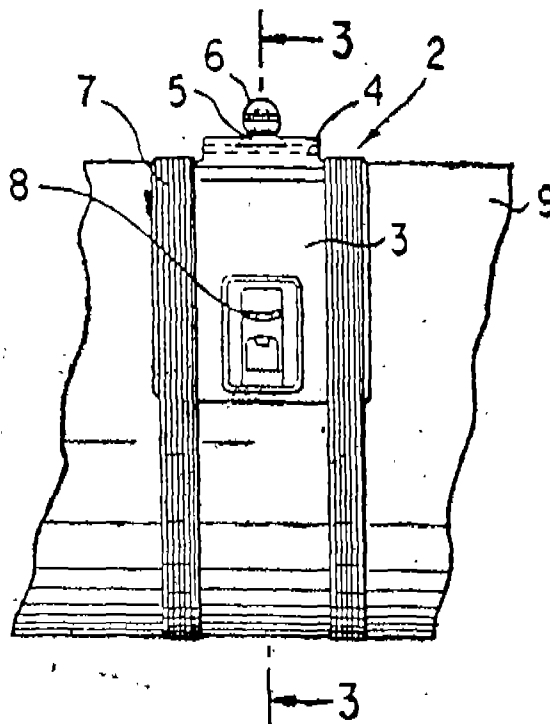
2. RICHARD E RYNDERS.

Application No. 126/Mas/93 dated February 18th 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

16 Claims

An attachment assembly (2) for fastening a pressure vessel to another object, the attachment assembly (2) comprising : A. a pressure vessel wall reinforcement section (41) adapted to be mounted on an outer casing of the pressure vessel, wherein the wall reinforcement section (41) comprising a plurality of layers (27) of fiber embedded in a resin, wherein the layers (27) of fiber are positioned across one another; B. a layer of shear ply (29) positioned over the reinforcement section (41), wherein the shear ply (29) is constructed from a resilient material, wherein an adhesive adheres the shear ply (29) over an outermost fiber-reinforced resin layer of the reinforcement section (41), wherein the shear ply (29) is resilient enough to prevent damage to the casing (9) of the pressure vessel during a period of use of the pressure vessel; C. a saddle (3) positioned over the shear ply (29), wherein the saddle (3) has at least two lugs (8) thereon, wherein the lugs (8) are attached to the saddle (3) with a means for attachment thereof; D. an overwrap (7) positioned over at least a portion of the saddle (3), wherein the overwrap (7) secures the saddle (3) against the shear ply (29) and E. a connecting means (5, 6, 12, 14) connecting a first end of a strut (10) to at least one of the lugs (4, 8) wherein a second end of the strut (10) is adapted to the connected to the other object with an attachment means therefor.



(Compl. Specn. 30 pages;

Drngs. 4 sheets.)

Ind. Cl. : 151-E

181164

Int. Cl. : F 16 L 1/00.

A REPLACEMENT PIPE MEMBER FOR INSERTION INTO AN EXISTING CONDUIT AND A METHOD AND APPARATUS FOR MANUFACTURING THE SAME.

Applicant : NU-PIPE INC., AN OREGON CORPORATION, OF 3315, DEMOCRAT ROAD, MEMPHIS, TN 38118, U.S.A.

Inventor : CAMPBELL HALL STEKETEE.

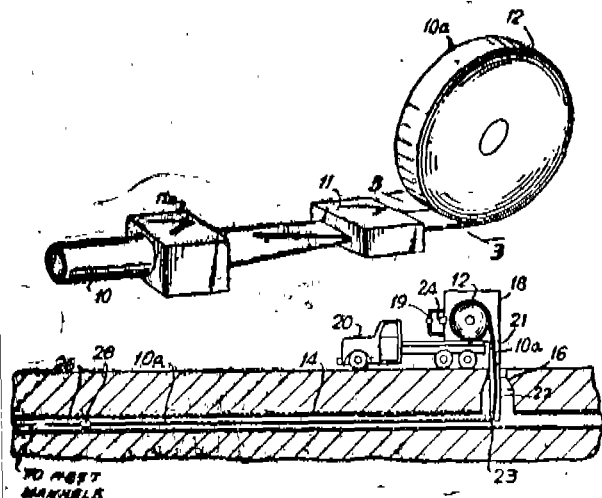
Application No. : 135/Mas/93 filed on February 28, 1993.

Divisional to Patent Application No. 274/Mas/89; Antedated to April 11, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

8 Claims

A replacement pipe member for insertion into an existing conduit comprising a piece of expandable thermoplastic pipe which is substantially rigid at ambient temperature having a maximum diameter which is smaller than the inner diameter of the existing conduit and the diameter of the replacement pipe in a fully expanded shape, the said pipe being made of a material which is capable of expanding to a substantially tubular shape at a predetermined temperature.



(Compl.: 44 pages;

Drawgs.: 8 Sheets)

Ind. Cl.: 172 D 2

181165

Int. Cl.: D 01 H 9/00.

LIFTING DEVICE.

Applicant: MASCHINENFABRIK RIETER AG, A BODY CORPORATE ORGANIZED UNDER THE LAWS OF SWITZERLAND, OF CH-8406 WINTERTHUR, SWITZERLAND.

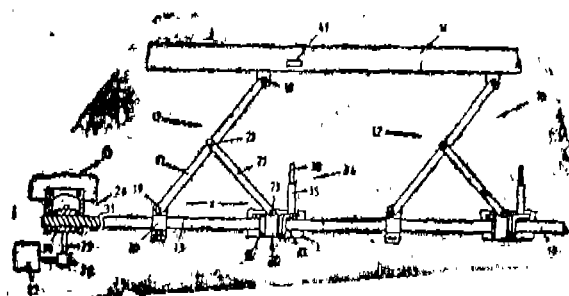
Inventors: (1) LATTION ANDRE,
(2) WILDBERGER HEINZ.

Application No.: 41/Mas/93 dated February 25, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

8 Claims

Lifting device, for the removal of a full bobbin tube, and/or the delivery of an empty bobbin tube (3), from the spindle rail (2) of a ring spinning machine R. to and from a collecting beam (7), underneath the spindle rail (2), the said device comprising a doffer beam (11) having at least one scissors (12) to swivel with a rod (13) which is at least partly formed as a spindle, and a supporting means (34) for the support of the doffer beam (11) near to the lower end position of the scissors (12), wherein the doffer beam (11) is supported on a compressible energy means.



(Compl.: 12 pages;

Drawgs.: 3 Sheets)

Ind. Cl.: 39 G, 32 D

181166

Int. Cl.: C 08 F 4/42 C 07 F 3/02.

PROCESS FOR THE PREPARATION OF A SPHERICAL CATALYST COMPONENT FOR THE PROCESSING OF POLYMERIC PRODUCTS.

Applicant: HOECHST AKTIENGESSELLSCHAFT, D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY, CHEMICAL MANUFACTURERS, A CORPORATION ORGANIZED UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY.

Inventor: GERHARD THUM.

Application No.: 146/Mas/93 dated February 26, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

6 Claims

A process for the preparation of a spherical catalyst component containing an organomagnesium compound, an organochlorine compound, an electron donor and a transition metal compound, and optionally an organo aluminium compound the said process comprising that steps of:

- reacting an organomagnesium compound of the formula R^1MgR^2 in which R^1 and R^2 are identical or different alkyl radicals having 2 to 12 carbon atoms, with from 0.5 to 2.5 mol of an aliphatic primary chlorinated hydrocarbon, based on 1 mol of the organomagnesium compound, at a temperature of from 30 to 110°C, and obtaining the reaction product in the form of a suspension,
- treating the resultant suspension with an electron donor in an amount of from 0.1 to 1 mol per mole of the magnesium present in the solid, at a temperature of from 0 to 100°C, to obtain a support material,
- reacting the resultant support material with a transition metal compound of the formula $MX_m(OR^3)_n$, in which M is titanium or zirconium, R^3 is an alkyl radical having 2 to 10 carbon atoms, X is a halogen atom and m is an integer from 0 to 4, in an amount of from 0.5 to 2 mol per mole of the magnesium present in the support material, at a temperature of from 30 to 120°C, and
- enveloping the resulting spherical, transition metal-containing catalyst component particles with a polyolefin by prepolymerization.

(Compl. Specn. 18 pages)

Ind. Cl. : 5A 5D

181167

Int. Cl.⁴ : A01B 3/00.

AN ADAPTOR FOR A PLOUGH.

Applicant : ENGINEER & CO., AN INDIAN COMPANY OF P. B. 16, MELUR 625 106, MADURAI DISTRICT.

Inventors : VELLANAYAGAM MANICKAM KRISHNASWAY.

Application No. 149/Mas/93 dated 26th February 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

3 Claims

An adaptor for fixedly or detachably mounting to a plough comprising a horizontal body having means for fixedly or detachably mounting the said body to the frog assembly of the plough; the said horizontal body extending beyond the said means and terminating in a plug for aligning with the socket of a plough share.



(Compl. Specn. 7 pages;

Drwgs. 1 sheet.)

Ind. Cl. : 50 E 2

181168

Int. Cl.⁴ : F25D 11/00.

HERMETICALLY SEALED ELECTRIC MOTOR COMPRESSOR.

Applicant : SANYO ELECTRIC CO. LTD., A JAPANESE CO. OF 2-18 KEIHANHONDORI, MORIGUCHI-SHI, OSAKA-FU, JAPAN.

Inventors :

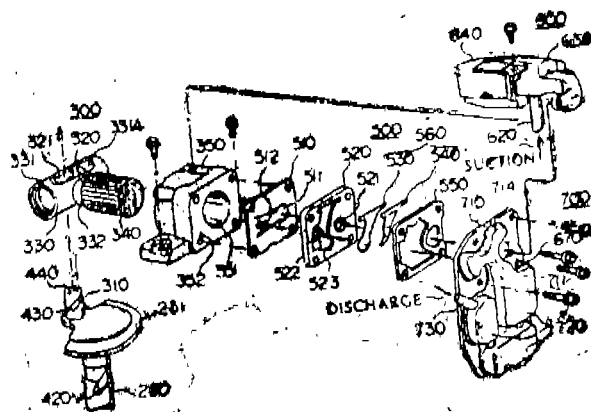
1. YUTAKA HIRANO
2. HIROKAZU KAWAKAMI
3. RYUJI WATANABE
4. KIYOSHI TANAKA
5. HIROSHI TAKAGI.

Application No. 167/Mas/93 dated 5th March 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

5 Claims

A hermetically sealed electric motor compressor, comprising a hermetically sealed casing within which a reciprocating compressor unit having a discharge port and compressing a working fluid, a valve assembly opening and closing said discharge port, and a discharge port unit mounted to the discharge side of the valve assembly are provided, said discharge port unit having a muffler which comprises a plurality of resonance chambers and a base plate having a projection; said valve assembly is a reed valve assembly with a reed valve and a valve backer mounted behind the reed valve, a valve seat defining a recess receiving said reed valve assembly, an elastic gasket wherein the end of the reed valve assembly is held on the recess of the valve seat by being pushed via the gasket by said projection of the base plate of the discharge port unit.



(Compl. Specn. 41 pages;

Drwgs. 15 sheets.)

Ind. Cl. : 70 A

181169

Int. Cl.⁴ : C 25 B 9/00.

AN APPARATUS FOR GENERATING A MIXED OXIDANT STREAM HAVING OZONE.

Applicant : MIOX CORPORATION, OF 5500 MIDWAY PARK PLACE, NE ALBUQUERQUE, NEW MEXICO 87109, USA.

Inventors :

1. FOREST ALLEN BAKER
2. WESLEY LAMONT BRADFORD.

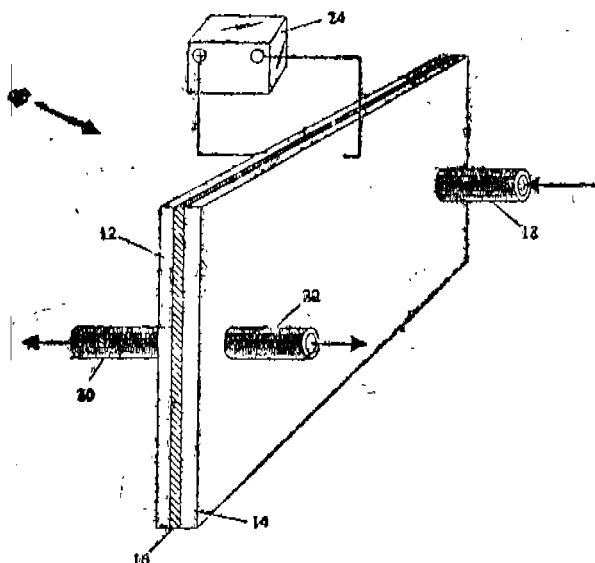
Application No. 172/Mas/93 dated March 9, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

7 Claims

An apparatus for generating a mixed oxidant stream having ozone, said apparatus comprising : anode means (12) comprising a substantially planar first surface; cathode means (14) comprising a substantially planar second surface, said second surface being parallel to said first surface; means (24) connected to said anode means and cathode means, for maintaining an electrical potential between said first and second surfaces; flow means (214) for causing an electrolytic solution to flow between said first and second surfaces and to be subsequently divided into cathode and anode streams, said anode stream comprising the portion of said electrolytic solution that was caused to flow between said first and second surfaces adjacent to said first surface, said flow means further comprising means for varying the rate of flow of said electrolytic solution in response to a control signal; electrochemical interaction defining means (151, 152) for defining an electrochemical interaction zone (155) bounded by said first and second surfaces in which said electrolytic solution undergoes electrochemical interactions, said zone being shaped such that electrolytic solution caused to flow through said interaction zone by said flow means has substantially the same residence time in said interaction zone independent of the path taken through said interaction zone; and measuring means (215, 210), connected to said means for causing said electrolytic solution to flow between said first and second surfaces, for measuring a

parameter correlated to the ozone in said anode stream and for generating said control signal to maintain the ozone concentration within predetermined limits.



(Compl. Specn. 15 pages;

Drwgs. 4 sheets)

Ind. Cl. : 103

181170

Int. Cl. : C 23 F 11/00.

AN INHIBITOR COMPOSITION FOR INHIBITING THE FORMATION OF SOLID HYDROCARBON INCrustATIONS FROM HYDROCARBON MIXTURES.

Applicant : HENKEL KOMMANDITGESELLSCHAFT AUF AKTIEN OF HENKELSTRASSE 67, D-4000 DUSSELDORF, GERMANY; A GERMAN COMPANY; GROFFE, JACQUES OF POURRA 04870, ST. MICHAEL L'OBSERVATOIRE, FRANCE AND ROUET, JEAN OF 9 RUE DES ECOLES, 37360 ST. ANTOINE DU ROCHER, FRANCE, BOTH ARE FRENCH NATIONALS.

Inventors :

1. VON TARAVICZA, STEPHAN
2. ZOLLNER, WOLFGANG
3. HAROLD, CLAUS-PETER
4. GROFFE, JACQUES
5. ROUET, JEAN.

Application No. 188/Mas/93 dated 16th March, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

8 Claims

An inhibitor composition for inhibiting the formation of solid hydrocarbon incrustations from hydrocarbon mixtures comprising :

- (a) 5 to 95% by total weight, of esters of phosphoric acid and/or partial salts thereof with alkoxylated aliphatic, cycloaliphatic and/or aromatic alcohols and
- (b) 95 to 5% by total weight, of fatty acid oligodialkanolamides, such as herein described.

(Compl. Specn. 21 pages.)

Ind. Cl. : 87 B

181171

Int. Cl. : A 63 B 41/00.

INFLATABLE SPORTS BALL.

Applicant : UMBRO EUROPE LTD., OF P.O. BOX 33, DALLIMORE ROAD, ROUNDTOWN INDUSTRIAL ESTATE, WYTHENSHAW MANCHESTER, M 21 9GJ, UNITED KINGDOM.

Inventors :

1. CHRISTOPHER IAN MILLS
2. JEAN-MARIE SONNTAG.

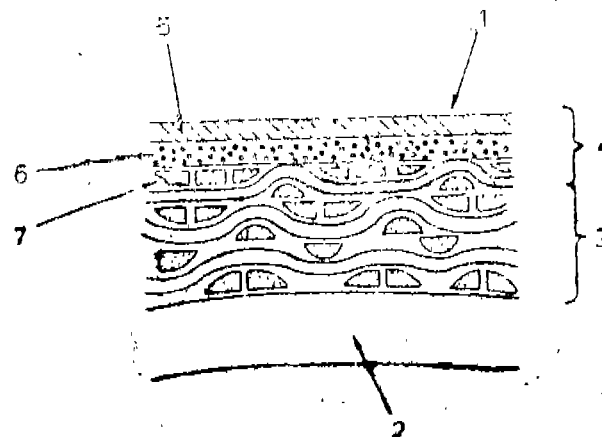
Application No. 143/Cal/93 filed on 10th March, 1993.

Appropriate Office for Opposition Proceedings. (Rule 4, Patents Rules 1972), Patent Office, Calcutta.

(Convention No. 9223919.3; on 14-11-92; in U.K.).

7 Claims

An inflatable sports ball (1, 8) which comprises an inflatable bladder (2, 9) and an outer case (5, 10) surrounding the bladder, said outer case being built-up from a number of panels which are stitched together to form a shell within which the bladder can be inflated, characterised in that each panel of the outer case comprises a laminate having an outer wearing layer (5, 10) made of materials such as herein described to suit the type of sports ball, and at least one further layer (3, 13) of woven material adhered by adhesive such as herein described directly or indirectly to the outer layer (5, 10) and said woven material being made from yarns comprising high tensile yarns such as herein described having high modulus of elasticity, either alone or in mixture with commonly available materials such as herein described whereby said further layer (3, 13) imparts to the laminate substantial resistance to circumferential expansion under load.



(Compl. Specn. 18 pages;

Drwg. 1 sheet.)

Ind. Cl. : 206 G

181172

Int. Cl. : H 04 B 8/01.

AN EXCITER FOR A RADIO TRANSMITTER.

Applicant : GLENAYRE ELECTRONICS, INC., OF 5935 CARNEGIE BOULEVARD, CHARLOTTE, NORTH CAROLINE 28209, UNITED STATES OF AMERICA.

Inventors :

1. ROBERT FRANK MARCHETTO
2. TODD ALAN STEWART
3. PAUL ANDREW GOUD
4. DAVID WILLIAM KROEGER
5. CHARLES BRIAN COX
6. TIMOTHY JAY LINDERER
7. RICHARD JOHNATHON HINKLE
8. ROBERT JOHN SHADE.

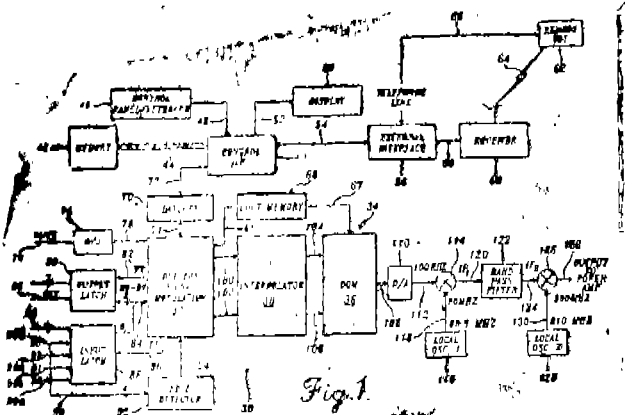
Application No. 492/Cal/1993 filed on 25th August, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Calcutta.

11 Claims

An exciter for a ratio transmitter comprising :

- (a) means for supply an input signal to the exciter for processing and transmission as a radio signal;
- (b) an input signal modulator coupled to the means for supplying the input signal, for modulating the input signal and producing a modulated signal that is complex, having both in-phase and quadrature components, said input signal modulator having a digital voltage controlled oscillator that comprises a first digital signal processor, said first digital signal processor producing the in-phase and quadrature components by processing the input signal with quadrature related periodic functions;
- (c) an interpolator coupled to the input signal modulator to receive the modulated signal, for sampling the modulated signal to produce sampled values and interpolating between the sampled values of the modulated signal to determine interpolated values intermediate the sampled values, thereby increasing an effective sample rate at which the modulated signal is sampled, the sampled and interpolated values together comprising an interpolated signal;
- (d) a quadrature modulator coupled to the interpolator to receive the interpolated signal, for converting the interpolated signal from a complex signal to a pass band signal that is not complex; and
- (e) an up converted coupled to the quadrature modulator to receive the pass band signal, for converting the pass band signal from a lower frequency signal to a higher frequency signal for output and transmission as the radio signal.



(Compl. Specn. 37 pages:

Drwgs. 27 sheets.)

Ind. Cl. : 167 C, G
204

181173

Int. Cl. : B 07 C 5/07, 1/10.

CONTINUOUSLY OPERATING FILTERING DEVICE.

Applicant : PANNEVIS B. V., OF ELEKTRONWEG 24, NL-3542 AC UTRECHT, THE NETHERLANDS.

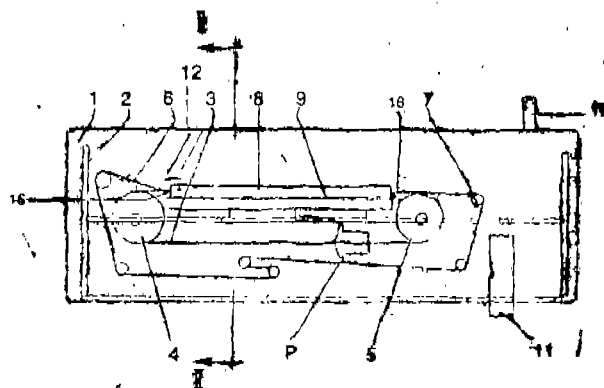
Invento : KAREL ANTOON THISSEN.

Application No. 754/Cal/1993 filed on 3rd December, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Calcutta.

7 Claims

A continuously operating filtering device comprising a carrier belt (3) movable round guide rollers (7) and at least one drive roller (5) and a filter belt (6) supported thereby and means (9) for supporting the carrier belt (3), characterized in that the carrier belt (3) is of plastic the device being accommodated in a housing (1) and provided with means (10) for maintaining a pressure in the housing (1).



(Compl. Specn. 7 pages:

Drwgs. 4 sheets).

Cl. : 71 F

181174

Int. Cl. : E 02 F 9/22

HYDRAULIC DRIVE SYSTEM FOR HYDRAULIC WORKING MACHINES.

Applicant : HITACHI CONSTRUCTION, MACHINERY CO. LTD., OF 6-2, OHTEMACHI 2-CHOME, CHIYODAKU, TOKYO, JAPAN.

Inventors :

1. TOICHI HIRATA,
2. GENROKU SUGIYAMA,
3. KOJI ISHIKAWA,
4. MASAMI OCHIAI.

Application No. 38/Cal/1994 filed on 24th January, 1994.

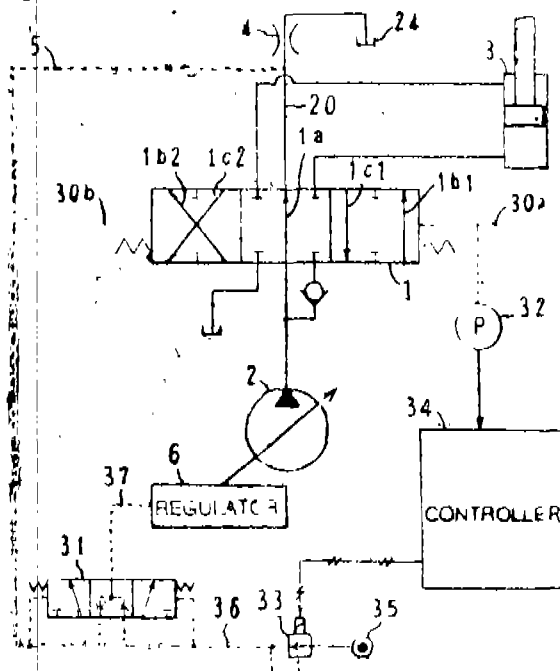
Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule, 1972), Patent Office Calcutta.

17 Claims

A hydraulic drive system for hydraulic working machines comprising a variable displacement hydraulic pump (2), at least one actuator (3, 70) driven by a hydraulic fluid delivered from said hydraulic pump, at least one directional control valve (1, 71) of center bypass type having meter-in passages (1b1, 1b2) provided with meter-in variable restrictors (22a, 22b) and a center bypass passage (1a) provided with bleed-off variable restrictors (21a, 21b) and controlling a flow of the hydraulic fluid supplied from said hydraulic pump to said actuator, a low pressure circuit (24), a center bypass line (20) for connecting said center bypass passage to said low pressure circuit at a location down stream of said bleed-off variable restrictors, pressure generating means (4) disposed in said center bypass line, first signal generating means for generating a first control signal which determines a first target displacement of said hydraulic pump, by using a pressure generated by said pressure generating means, and a pump regulator (6) for controlling a displacement of said hydraulic pump in accordance with said first control signal, wherein said hydraulic drive system comprises : (32, 33, 34, 34X, 35, 36, 74)

second signal generating means for generating a second control signal which determines a second target displacement of said hydraulic pump (2), and

select means (31) for selecting, as a third control signal, larger one of said first control signal and said second control signal which provides a larger target displacement, and applying said third control signal to said pump regulator (6).



(Compl. Specn. : 61 Pages;

Drgns. : 21 Sheets)

Cl. : 64 B 3

181175

Int. Cl. : H 01 R 11/01

STRUCTURE FOR ELECTRICALLY CONNECTING A MOTOR UNIT AND A MOTOR DRIVER UNIT.

Applicant : 1. HONDA MOTOR CO. LTD., OF 1-1, MINAMISOYAMA 2-CHOME, MINATO-KU, TOKYO, JAPAN. 2. SHINDENGEN ELECTRIC MANUFACTURING CO. LTD., OF 2-1, OHTEMACHI 2-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors :

1. KENJI KAWAGUCHI,
2. YOSHIYUKI MIYAKI.

Application No. 102/Cal/1994 filed on 18th February, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule, 1972), Patent Office Calcutta.

4 Claims

A structure for electrically connecting a motor unit (1) and a motor driver unit (6) constituting an inverter circuit (4) for driving said motor unit (1) constituting a motor (3), characterized in that :

electrode terminals (31) to which a coil (8) of the motor unit (1) is connected and which are provided with nuts (32) to be engaged with fixing bolts (33);

substantially L-shaped electrode plates (28) each formed at its one end with a terminal portion (37) connected and secured to the inverter circuit (4) of the motor driver unit (6) and at the other end with a contact portion (35) to which the coil terminal (30) of said motor unit is connected said contact portion (35) being formed with an insertion hole (34); and

L-shaped resin electrode bases (29) for attaching said electrodes plates (28) to a metallic frame (21) of the motor driver unit (6) under an insulating condition each of said electrode bases (29) comprising an elongated insertion hole (39) for the passage of the bolt (33) to be engaged with the insertion hole (34) of the electrode plate (28) and a guide groove (43) for preventing the electrode plate (28) from rotation,

each of said bolts (33) extending through the elongated hole (39) of the electrode base (29) so as to be screwably engaged with the nut (32) of said electrode terminal (31) so that the electrode terminal (31) is electrically connected to the electrode plate (28).

Fig. 1

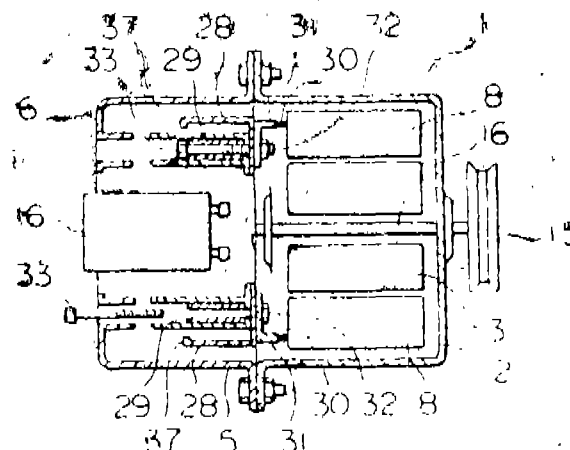
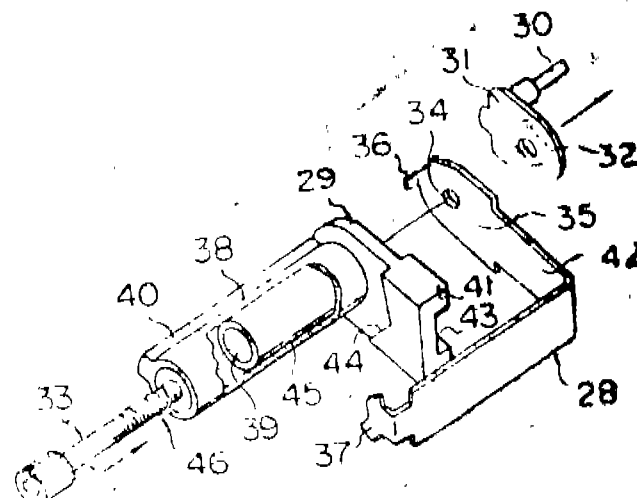


Fig. 2



(Compl. Specn. : 13 Pages;

Drgns. : 3 Sheets)

Cl. : 50 E 2 D; 156 E

181176

Int. Cl. : F 04 B 21/06; F 25 B 1/02

A REFRIGERATION COMPRESSOR WITH IMPROVED SUCTION GAS CONDUIT.

Applicant : COPELAND CORPORATION, OF CAMPBELL ROAD, SIDNEY, OHIO 45365-06669 UNITED STATES OF AMERICA.

Inventors :

1. CHIP HEWETTE,
2. HUBERT BUKAC.

Application No. 110/Cal/1994 filed on 21st February, 1994.

Appropriate Office for Opposition Proceedings (Rule 4 Patent Rules, 1972), Patent Office Calcutta.

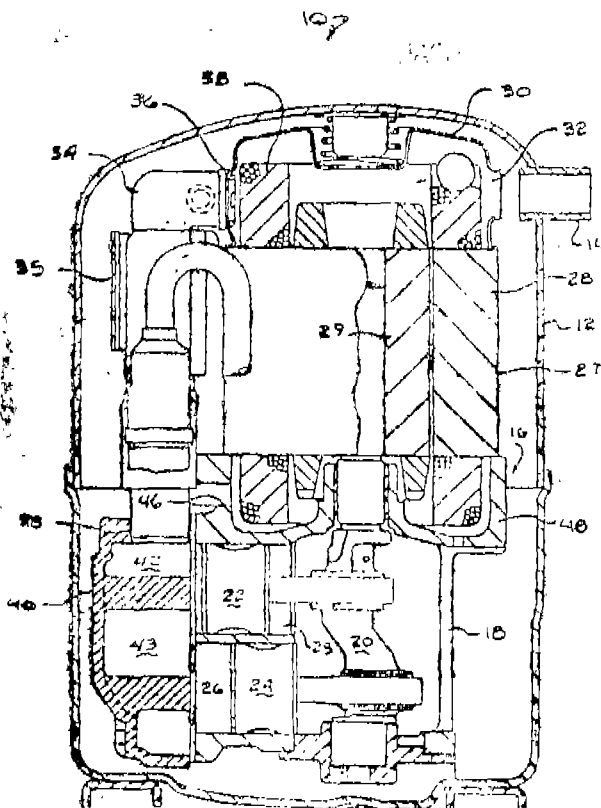
12 Claims

A refrigeration compressor with improved suction gas conduit (10) comprising :

an outer shell (12) defining an internal cavity;

compressor means (16) disposed within said internal cavity; motor means (27) within said internal cavity drivingly connected to said compressor means;

and characterised in that elongated suction conduit means (34) having a first end (56) secured to said compressor means and a second end (52) open to said internal cavity of said shell, said suction conduit being operative to define a relatively unrestricted suction gas flowpath from said internal cavity of said shell to said compressor means, said conduit having a first internal cross sectional area at said first end (56) and a second internal cross sectional area at said second end (52) said first cross sectional area being larger than said second cross sectional area, said suction conduit means comprising muffler means.



Compl. specn. : 15 pages

Drgns. : 5 sheets

Cl. : 150 A

181177

Int. Cl. : F 16 L 43/00.

KIT AND METHOD FOR PRODUCING A CONNECTOR FOR CONNECTING FLUID-CONDUCTING ELEMENTS.

Applicant : LINDAB AB, OF S-269-82 BASTAD, SWEDEN.

Inventors : (1) CARL GUSTAF SONDEN,
(2) KENNETH LENNARTSSON

Application No. : 114/Cal/1994 filed on 23rd February, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office Calcutta.

14 Claims

Kit for producing a connector for connecting a first fluid conducting element to a second fluid conducting element and permitting passage of a fluid from said first fluid conducting element to said second fluid conducting element, characterised by :

(a) at least one flat blank (3) having a first end (3a) connectable to a second end (3b) to form a cylindrical segment (3'), a first segment end (3c), and a second segment end (3d), each said segment end (3c, 3d) having a smooth cylindrical shape and defining an opening in said cylindrical segment (3'); and

(b) a first cylindrical sleeve coupling (1) having a first sleeve coupling end (1c) and a second sleeve coupling end (1d), each said sleeve coupling end (1c, 1d) defining an opening in said first cylindrical sleeve coupling (1), said first sleeve coupling end (1c) having a smooth cylindrical shape to accommodate juncture with said first segment end (3c), and said second sleeve coupling end (1d) matable with said first fluid conducting element; and

(c) a second cylindrical sleeve coupling (2) having a first sleeve coupling end (2c) and a second sleeve coupling end (2d), each said sleeve coupling end (2c, 2d) defining an opening in said second cylindrical sleeve coupling (2), said first sleeve coupling end (2c) having a smooth cylindrical shape to accommodate juncture with said second segment end (3d), and said second sleeve coupling end (2d) matable with said second fluid-conducting element.

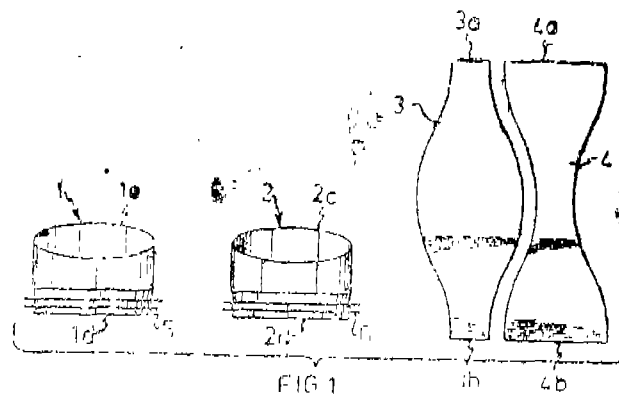
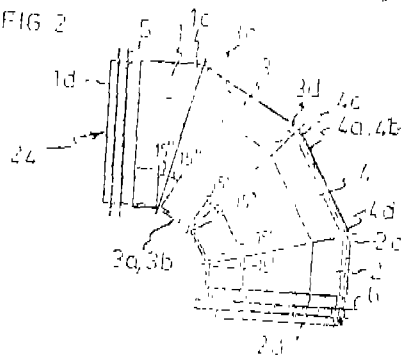


FIG 2



(Compl. Specns : 13 pages;

Drgns. : 8 Sheets)

Cl. : 88 DF

181178

Int. Cl. : C 10 K 1/04, 1/06.

A PROCESS FOR THE PRODUCTION OF FUEL GAS FREE FROM CHLORINE SULFUR CONTAINING CORROSIVE VAPORS.

Applicant : TEXACO DEVELOPMENT CORPORATION, OF 2000 WESTCHESTER AVENUE, WHITE PLAINS, NEW YORK 10650, UNITED STATES OF AMERICA.

Inventors : (1) PAUL STEVEN WALLACE,
(2) PRADEEP STANLEY THACKER.

Application No. : 249/Cal/1994 filed on 11th April, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

16 Claims

A process for the production of fuel gas free from chlorine and sulfur-containing corrosive vapors comprising the steps :

- (1) reacting by partial oxidation a stream of free oxygen containing gas with a stream of chlorine and sulfur-containing liquid hydrocarbonaceous or solid carbonaceous fuel in the presence of a temperature moderator in the reaction zone of a down-flowing vertical free-flow gas generator at a temperature range of about 1800 to 3000°F to produce a stream of raw fuel gas comprising H_2 , CO, CO_2 , H_2O , H_2S , COS, HCl, CH_4 , and Ar along with entrained molten slag and particulate matter; wherein the temperature in said reaction zone is above the dew point of H_2O in said stream of raw fuel gas;
- (2) cooling said raw fuel gas stream from step (1) to a temperature range of about 1500 to 1000°F above the dew point of H_2O in said stream of raw fuel gas by indirect heat exchange with boiler circulating water; and separating out said slag;
- (3) splitting the slag-free raw fuel gas stream from step (2) into separate gas streams A and B, and separately cooling each raw fuel gas stream A and B to a temperature range of about 1000 to 600°F above the dew point of H_2O in said separate feed-streams by indirect heat exchange with boiler circulating water, thereby producing steam;
- (4) passing a stream of nitrogen gas in indirect heat exchange with the raw fuel gas stream A from step (3), thereby further cooling said raw fuel gas stream A to a temperature range of about 600 to 300°F above the dew point of H_2O in said raw fuel gas stream A while heating the nitrogen gas stream;
- (5) scrubbing the stream of raw fuel gas A that was cooled in step (4) with water to produce a clean chlorine-free stream of fuel gas.
- (6) further cooling the raw fuel gas stream B from Step (3) to a temperature range of about 600 to 300°F above the dew point of water in said raw fuel gas stream B by indirect heat exchanger with a stream of clean humidified chlorine and sulfur-free fuel gas leaving subsequent step (12) thereby heating said clean chlorine and sulfur free fuel gas stream to a temperature range of about 400 to 800°F;
- (7) scrubbing with water the cooled stream of raw fuel gas B that was cooled in step (6) to produce a clean chlorine free stream of fuel gas;
- (8) combining the streams of clean chlorine free fuel gas A and B from steps (5) and (7) respectively;

- (9) cooling the combined stream of clean chlorine free fuel gas from step (8) by indirect heat exchange with a clean chlorine and sulfur free stream of fuel gas from subsequent step (11);
- (10) further cooling the combined stream of raw fuel gas from step (9) by indirect heat exchange with boiler circulating water and/or cold water in one or more heat exchangers;
- (11) removing substantially all of the sulfur-containing gases from the combined stream of clean chlorine free fuel gas from step (10) in an acid gas removal zone;
- (12) heating said stream of clean chlorine and sulfur free fuel gas from step (9) by indirect exchange with steam;
- (13) introducing the following gaseous streams into the combustion zone of a gas turbine: (a) a stream of air, (b) the stream of nitrogen gas heated in step (4), and (c) at least a portion of the stream of clean chlorine and sulfur-free fuel gas heated in step (6); and
- (14) burning said clean portion of the stream of chlorine, and sulfur-free fuel gas in said combustion zone to produce fuel gas substantially free from HCl, sulfur-containing gas, and NO_x ; and passing said fuel gas through an expansion turbine to produce power optionally 10 to 100 volume % of the stream of clean chlorine and sulfur-free fuel gas heated in step (6) is introduced into the combustion zone in step (13); and provided with the step of catalytically reacting the remainder of said stream of clean chlorine and sulfur-free fuel gas substantially comprising H_2 + CO to produce organic chemicals or a H_2 -rich gas stream.

(Compl. Specns. : 30 pages;

Drgns. : 2 Sheets)

Cl. : 32 E

181179

Int. Cl. : C 08 F 210/00, 210/02, 210/06, 210/12, 210/16.

PROCESS FOR THE PREPARATION OF COPOLYMERS OF ETHYLENE AND PROPYLENE.

Applicant : MONTELL TECHNOLOGY COMPANY BV, OF HOEKSTEEN 66, 2132 MS HOOFDDORP, THE NETHERLANDS.

Inventors : (1) MAURIZIO GALIMBERTI,
(2) ENRICO ALBIZZATI.

Application No. : 310/Cal/1994 filed on 28th April, 1994.

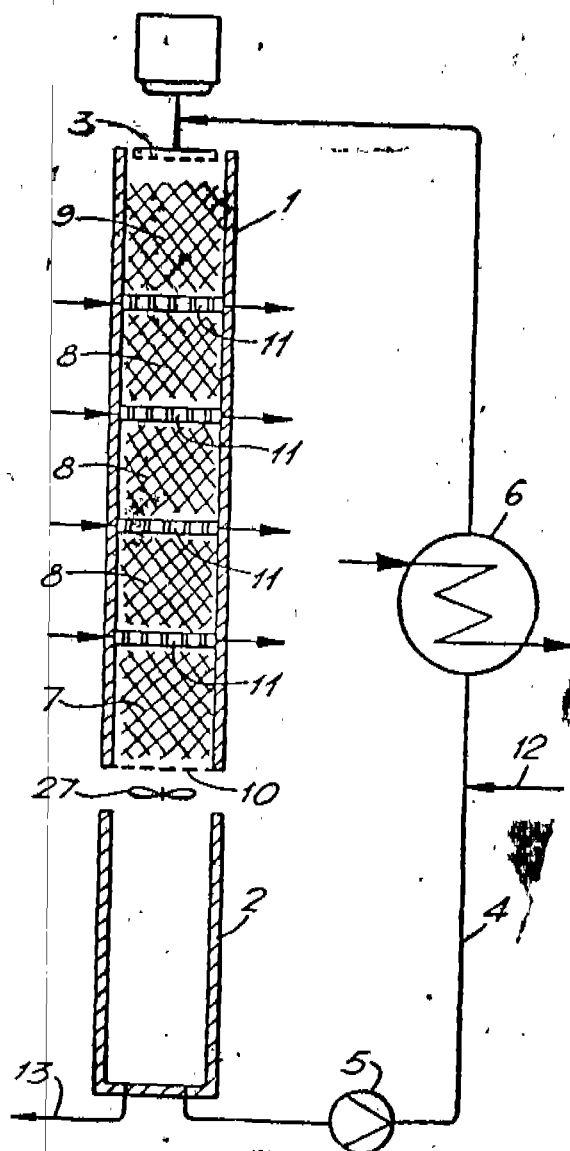
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

5 Claims

A process for the preparation of copolymers of ethylene with propylene and optionally minor amounts of polyene or a diene selected from non-conjugated linear or cyclic diolefins, containing from 55 to 70% by weight of ethylene, from 30 to 45% by weight of propylene and from 0 to 10% by weight of said diene or polyene, displaying the following properties :

- crystallinity content, as measured as fusion enthalpy, lower than 15J/g,
- solubility in pentane at 25°C higher than 95%;
- content of propylenic units in the form of triads comprised between 3 and 10% of propylene; at least 70% of said triads displaying an isotactic structure;
- product of monomer reactivity ratio $r_1 r_2$ comprised between 0.4 and 0.6 (r_1 is the reactivity ratio of ethylene, r_2 is the reactivity ratio of propylene);

plurality of beds for trickling further through the beds for a period of time to obtain a fermented must alcohol content of 7 g/l or below 7 g/l.



(Compl. : 22 pages;

Drwgs. : 3 Sheets)

Ind. Cl. : 177 D

161182

Int. Cl.⁴ : F 22 G 1/00.

METHOD OF PRODUCING SUPER HEATED STEAM FROM WASTE LIQUORS FROM PULP PROCESSES.

Applicant : A AHLSTROM CORPORATION, A FINNISH CORPORATION, OF SF-29600 NOORMARKKU, FINLAND.

Inventors : (1) MARJO KUSSIO
(2) SAMULI NIKKANEN

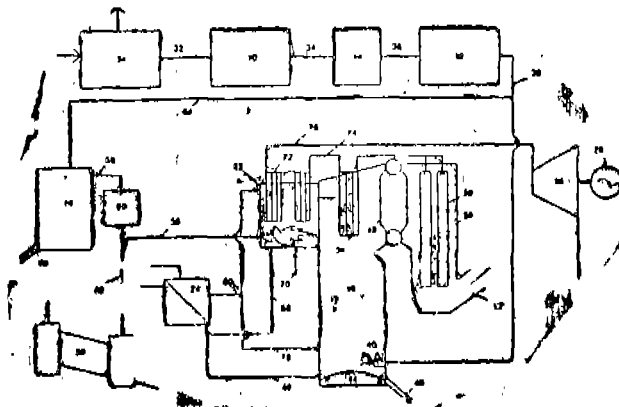
Application No 723/Mas '92 dated December 2, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

14 Claims

Method of producing superheated steam from waste liquors from pulp processes, in which method waste liquor is burned in a waste liquor recovery boiler to produce saturated and/or partially superheated steam, characterized in that

- a portion of the waste liquor supplied for the combustion is separated prior to the combustion for separate treatment;
- the separated portion of the waste liquor is gasified in a gasifying reactor in order to produce combustion gas; and
- superheated steam is produced by feeding the steam produced in the recovery boiler to a superheating boiler, in which combustion gas produced in the gasifying reactor is burned to superheat said steam.



(Compl. : 25 pages;

Drw. : 1 Sheet)

Ind. Cl. : 197, 198 A

181183

Int. Cl.⁴ : B 05 B 13/00.

CLEANING APPARATUS FOR CLEANING ARTICLES.

Applicant : ROBOWASH PTY. LTD., AN AUSTRALIAN COMPANY OF 4 MCDERMOTT STREET, WELSHPOOL 6106, WESTERN AUSTRALIA, AUSTRALIA.

Inventor : FENTON GODDARD.

Application No. 726/Mas/92 dated 3rd December, 1992.

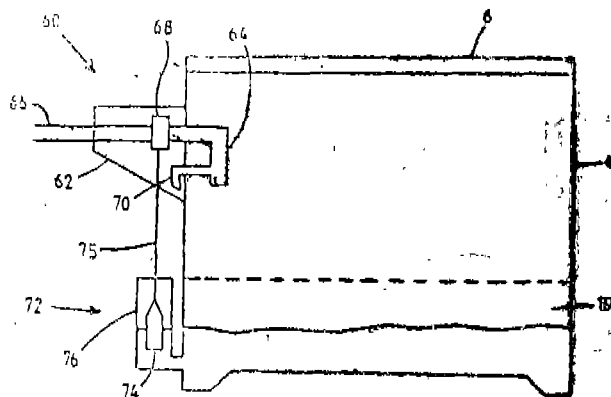
Convention date : 3rd December, 1991—(No. PK9824—Australia).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

15 Claims

A cleaning apparatus for cleaning articles, said apparatus comprising a trough in which cleaning of said articles is performed, a lid connected to said trough and movable between a closed position covering said trough and an opened position to allow access to said trough, a first cleaning fluid dispensing means located within said apparatus and a second portable cleaning fluid dispensing means, a receptacle for containing a volume of said cleaning fluid, said receptacle communicating with said dispensing means and said trough so that cleaning said is recirculated through said apparatus, and, pumping means for pumping said cleaning fluid to said first and second cleaning fluid dispensing means, wherein said pumping means has a valve for selectively directing cleaning fluid to said first or second cleaning fluid dispensing means, said lid operatively cooperates with said valve in a manner such that when the lid is in the closed position, the pumping means pumps the

cleaning fluid via the valve to said first cleaning fluid dispensing means, and when the lid is in the opened position, the pumping means pumps the clean fluid via the valve to the second portable cleaning fluid dispensing means.



(Compl. : 18 pages;

Drawings : 5 Sheets)

Ind. Cl. : 205B, G

181184

Int. Cl.⁴ : B29C 35/00, B29D 30/00

A TYRE CURING MACHINE.

Applicant : L & T MCNEIL LIMITED, OF MOUNT, POONAMALLEE ROAD P B NO. 977, CHENNAI 600 089, INDIA, AN INDIAN COMPANY.

Inventors :

1. KALYANARAMAN KRISHNAMOORTHY.
2. MOHANAN NARAYANAN,
3. VISUVASAVARAN RAVI JAMES PREMKUMAR.

Application No. 729/Mas/92 dated December 3rd 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

13 Claims

A tyre curing machine comprising atleast one hydraulic opening and closing means to move the top half part of a tyre mould towards the bottom half part of the said mould after green uncured tyres are loaded and removing means for removing cured tyres from the said bottom part of the said tyre mould, a bottom base structure which is a single piece or a joined piece from multiple number of pieces having machined top surfaces and fixing means for fixing bottom steam heated platens and to receive columns and guides, a top movable structure provided with fixing means to fix top steam heated platens and for mounting the said top half parts of the said tyre moulds and a connection for connecting a drive for up and down travel of the said top half moulds, at least one column and guide for movement of the said top structure carrying the said top half moulds, said columns being mounted either on the said bottom structure or on the said top structure, one or more hydraulic cylinders inside the said bottom base structure in each said mould cavity for squeezing said top and bottom parts of the said mould and applying the required squeezing force to resist the reaction forces developed due to the internal curing media pressure inside the bladders, a locking device for locking the said top movable structure at the top-most point of travel in full open condition of the said machine and to lock each said mould cavity to the said top movable structure to the said bottom base structure before the squeeze force is applied through stripping means for stripping the said tyre from the said bottom half of the mould at the end of the curing cycle, a set of pillars and couplings with spacers connecting the said bottom squeezing hydraulic cylinders to the said bottom part of the said mould, hydraulic-air intensifier to maintain the squeeze force on the said moulds for an extended period, a bladder control mechanism controlling and actuating

the operations of the said machine while curing said green uncured tyres and for introducing the necessary internal curing media inside the said bladders.

(Com. : 41 Pages;

Drwgs. : 7 Sheets)

Ind. Cl. : 107 G, I

181185

Int. Cl.⁴ : F 02 M 17/00

A FUEL ECONOMISING DEVICE FOR MOTOR VEHICLES.

Applicant : LUCAS-TVS LIMITED PADI, MADRAS-600 050 TAMIL NADU, INDIA.

Inventors :

1. KRISHNAVILASAM RAGHAVAN ANANDKUMARAN NAIR,
2. RAMACHANDRAN VENKATARAMANAN,
3. REVANUR HARINDRANATH SUDHAKAR,
4. SIVARAMAKRISHNAN NATARAJAN.

Application No. 721/Mas/92 filed on 7th December, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

5 Claims

A fuel economising device for motor vehicles comprising the main jet portion and the body portion of the main jet assembly of the carburettor, characterised in that the closed end of the body portion is opened out to obtain a through-passage to the main jet; a spring-loaded plunger receivable in the said through-passage to normally allow supply of fuel to the main jet; and control means for actuating the plunger, under predetermined condition, to block the through-passage and thus shut off supply of fuel to the main jet.

(Com. : 12 Pages;

Drwgs. : 2 Sheets)

Ind. Cl. : 32-F₂

181186

Int. Cl.⁴ : C 07 C 126/00

A PROCESS AND A PLANT FOR PRODUCING UREA.

Applicant : UREA CASALE S A, OF VIA DELLA POSTA 4, 6900, LUGANO, SWITZERLAND, A SWISS COMPANY.

Inventors :

- (1) GIORGIO PAGANI,
- (2) UMBERTO ZARDI.

Application No. 732/Mas/92 dated December 7, 1992.

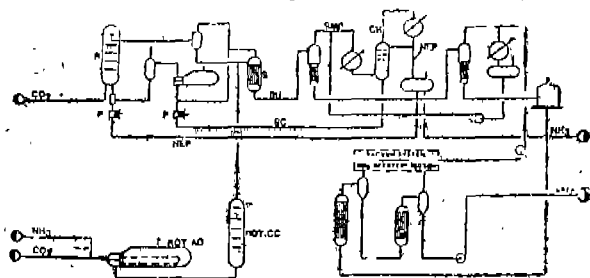
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

10 Claims

A process of producing urea comprising the steps of reacting ammonia and carbon dioxide in a first urea synthesis reactor (R) to obtain a first aqueous urea solution (SU); separating free ammonia and carbamate from said first aqueous urea solution (SU) within an ammonia stripper (S); recycling said free ammonia and carbamate to the first urea synthesis reactor (R); feeding ammonia and carbon dioxide to a second urea synthesis reactor (ROT) of the once-through type having a higher efficiency yield than said first urea synthesis reactor (R); characterized in that it further comprises the steps of :

- (a) feeding a second aqueous urea solution leaving the second urea synthesis (ROT) to said ammonia stripper (S); and

- (b) feeding ammonia and carbon dioxide to said first (R) and second (ROT) urea synthesis reactors to distribute overall urea production capacity to a portion from 50 to 95% of said capacity to said first urea synthesis reactor (R) and from 5 to 50% to said second urea synthesis reactor (ROT).



(Com. : 14 Pages;

Drawgs. : 3 Sheets)

Ind. Cl. : 172 D4

181187

Int. Cl.⁴ : F16 K 7/00

A PRESSURE CIRCUIT FOR CONTROLLING THE PRESSURE AT THE SPINNING SURFACE OF TEXTILE MACHINE SPINNING DEVICE.

Applicant : RIETER INGOLSTADT SPINNEREIMASCHINENBAU AKTIENGESELLSCHAFT, FRIEDRICH-EBERT-STRASSE 84, 8070 INGOLSTADT, GERMANY; A GERMAN COMPANY.

Inventors :

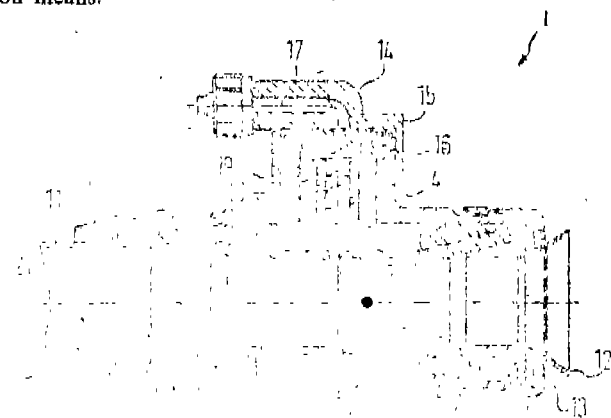
- (1) HAASE MANFRED,
- (2) SCHNEIDER GOTTFRIED.

Application No. 783/Mas/92 dated 7th December 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

9 Claims

A pressure circuit for controlling the pressure at the spinning surface of a textile machine spinning device, comprising a negative pressure source, said negative pressure source being in pneumatic communication with the spinning surface; a pneumatically actuated diaphragm valve operatively disposed between said negative pressure source and the spinning surface, said diaphragm valve having a normally open position so that during yarn formation a negative pressure is established at the spinning surface; pneumatic actuation means in physical communication with said valve and with a source of compressed air for actuating said valve by directing compressed air to said diaphragm valve thereby closing said diaphragm valve; and a remote control means for actuating said pneumatic actuation means upon the occurrence of a predetermined condition in which the negative pressure at the spinning surface must be interrupted; wherein the pressure circuit further comprises a rapid deaeration device in physical communication with said diaphragm valve, said deaeration device defining a vent path from said diaphragm valve for venting compressed air directly from said diaphragm valve thereby allowing said diaphragm valve to rapidly open upon actuation of said pneumatic actuation means.



(Com. : 23 Pages;

Drawgs. : 2 Sheets)

Ind. Cl. : 172D4

181188

Int. Cl.⁴ : D01H 1/14

A COVER FOR A SPINNING BOX OF A ROTOR SPINNING MACHINE.

Applicant : RIETER INGOLSTADT SPINNEREIMASCHINENBAU AKTIENGESELLSCHAFT, A GERMAN COMPANY OF FRIEDRICH-EBERT-STRASSE 84, D-8070 INGOLSTADT, GERMANY.

Inventors :

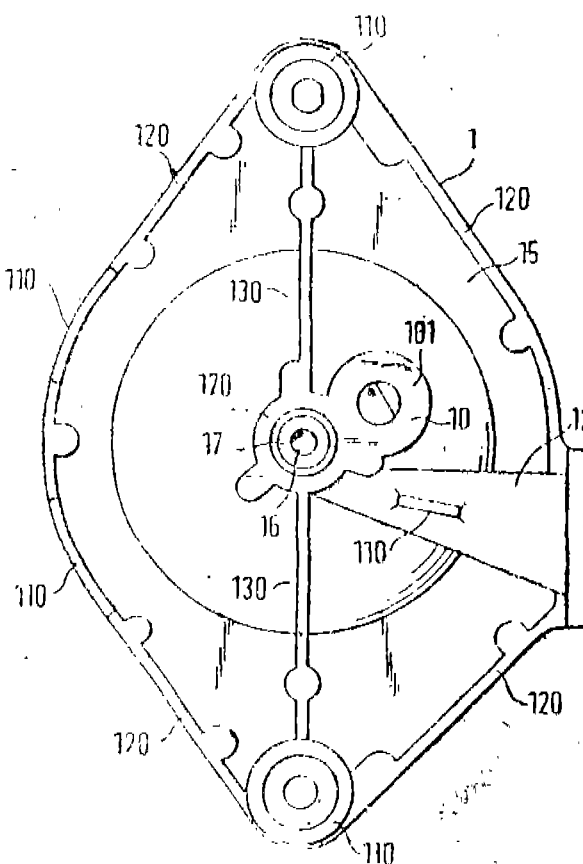
1. HAASE, MANFRED,
2. SCHERMER, JOSEF,
3. FRITSCH, DIETER.

Application No. 734/Mas/92 dated 7th December, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

11 Claims

A cover (1) for a spinning box of a rotor spinning machine, having a front side (14) and having a fibre feed attachment (11) which is arranged thereon and which extends into the rotor during spinning operation, and having a rear side (15) with one or more stops (110) for supporting (10) for the connection of compressed air for rotor cleaning and with a fibre feed channel (12) arranged in the cover for supplying fibres, the cover (1) having one or more bores (4, 41) for acting on the rotor with cleaning air, and having a bore (16) for removing the thread from the rotor, wherein the attachment (10) for the connection of compressed air has a sealing surface (101) for bearing in sealed manner against a connection (102) for supplying compressed air to the cover (1).



(Comp. : 21 Pages;

Drawgs. : 5 Sheets)

Ind. Cl. : 172C1

181189

Int. Cl.⁴ : DOJH 13/00**AN APPARATUS FOR COMPRESSING AND GUIDING A SLIVER.**

Applicant : RIETER INGOLSTADT SPINNREIMAS-CHINENBAU AKTIENGESELLSCHAFT, A GERMAN COMPANY OF FRIEDRICH-EBER-STRASSE 84, D-8070 INGOLSTADT, GERMANY.

Inventors :

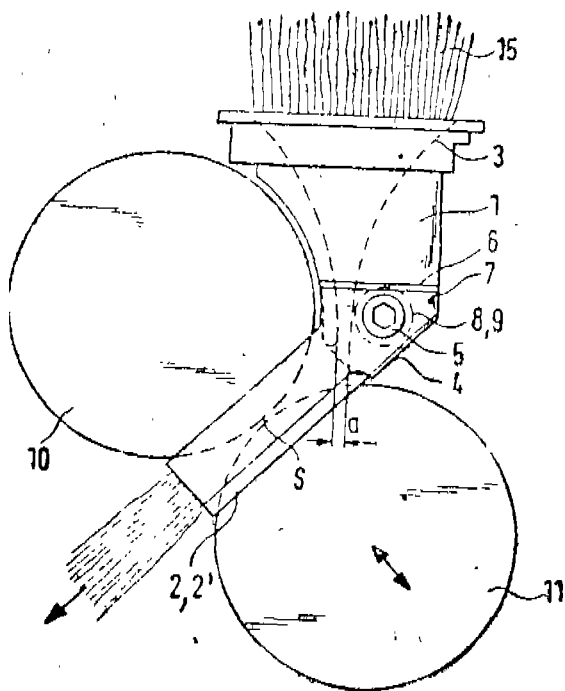
1. OEXLER, RUDOLF,
2. HAUNER, FRIEDRICH.

Application No. 735/Mas/92 dated 7th December 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

6 Claims

An apparatus for compressing and guiding a sliver, in particular in a spinning preparation machine, having a sliver funnel, take-off rollers arranged downstream thereof, and guide surfaces surrounding the take-off rollers on both sides, wherein adjustment means are provided to allow lateral spacings (c, d) between the guide surfaces (2, 2'; 20, 20') and take-off rollers (10, 11) to be adjusted independently of one another.



(Com. : 14 Pages;

Drwgs. : 2 Sheets)

Ind. Cl. : 33 H

181190

Int. Cl.⁴ : B 22 D 11/00**METHOD OF PRODUCING LONG STEEL STRANDS.**

Applicant : MANNESMANN AKTIENGESELLSCHAFT OF MANNESMANNUFER 2, D-4000 DUSSELDORF 1, GERMANY, A GERMAN COMPANY.

Inventors :

1. DR. FRITZ-PETER PLESCHIUTSCHNIGS,
2. LOTHAR PARSHAT,
3. DIETER STALLEICKEN,
4. WINFRIED BINDER,
5. DR. KLAUS BRUCKNER,
6. DR. INGO VON HAGEN,
7. DR. WERNER RAHMFELD.

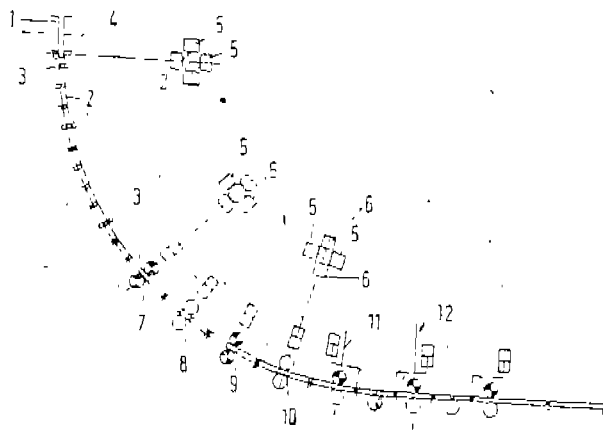
All of Germany and of German Citizens.

Application No. 737/Mas/92 filed on 8th Dec., 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

8 Claims

A method of producing long steel strands dimensioned for an initial pass of a longitudinal rolling mill, the said method comprising the steps of pouring liquid steel into a water-cooled continuous casting mold to partially solidify the steel to form a ring-shaped strand shell having a round or oval shape and a polygonal shape having at least four corners, the said ring shaped strand shell having a minimum circumference of 200 millimeters, and reducing the cross-sectional surface area of the said strand by means of support members provided underneath the mold till the strand fully solidifies to deform the strand into one of a polygonal shape having at least four corners and an oval or round shape while maintaining the circumferential length of the strand.



(Com. : 11 Pages;

Drwgs. 1 Sheet)

Ind. Cl. : 98 I

181191

Int. Cl.⁴ : F 24 J 2/00**A SOLARHEAT RECYCLING STILL, AND A METHOD OF MAKING PURIFIED FLUIDS USING THE SAME.**

Applicant & Inventor : C RAJA REDDY, A CITIZEN OF INDIA, OF 23/601 SAKILIVARI STREET, FATHEKHANPET, NELLORE 524003, ANDHRA PRADESH, INDIA.

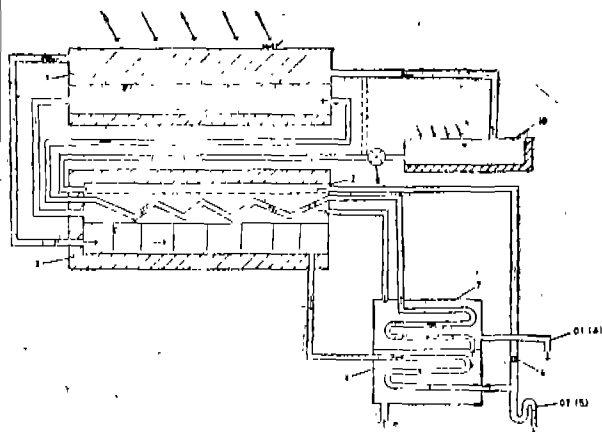
Application No. 195/Mas/93 dated March 18, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

12 Claims

A solar heat recycling still comprising at least one heating zone, one heat transfer zone, one condensing zone, and one source for supplying air, the said heating zone consisting of a chamber provided with a cover made of glass or the like material capable of transmitting solar heat therethrough and housing metallic plates preferably painted black, the said chamber having separate inlets and outlets for fluid and air flow thereto and therefrom, connected to a heat transfer zone consisting of two chambers juxtaposedly positioned with respect to each other, the first chamber having a thin metallic bottom forming the top of the second chamber, the said first chamber being provided with separate passages for the flow of air, residual fluid from the heating zone, and the incoming fluid from the condensation zone, the second chamber being provided with an inlet and an outlet for the passage of vapour laden hot air from the heating zone, to the condensation zone, the said condensation zone housing at least one condensor and having separate flow passages for the incoming fluid and the residual fluid from the heating zone, outlets for the residual fluid and the condensation

product, and means for recycling the residual air to the still, wherein the air circulated through the still flows in a closed circuit and the water flows in an open circuit.



(Com. : 16 Pages;

Drwg. : 1 Sheet)

Ind. Cl. : 42 D

181192

Int. Cl.⁴ : A 24 B 3/00

A PROCESS FOR MANUFACTURING RECONSTITUTED TOBACCO SHEETS.

Applicant : PHILIP MORRIS PRODUCTS INC., OF 3601 COMMERCE ROAD, RICHMOND, VIRGINIA 23234, USA, AN U.S. COMPANY.

Inventors :

1. GRANT GELLATLY.
2. GUS KERITSIS,
3. SUSAN E. WRENN.

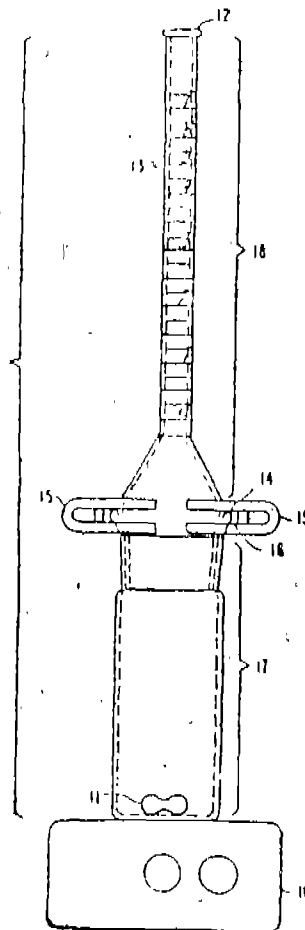
Application No. 204/Mas/93 dated March 23, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

31 Claims

A process for manufacturing a reconstituted tobacco sheet comprising :

- (a) preparing a slurry comprising : tobacco dust with a mean particle size in the range of from 120 mesh to 400 mesh, a binder consisting of gum; and an aqueous medium, the slurry having a solids content of from 15% to 30%, up to 8% of the solids being binder and the ratio by weight of tobacco to binder being from 50:1 to 10:1;
- (b) casting the slurry onto a support;
- (c) drying the cast slurry to form a reconstituted tobacco sheet comprising 80 to 90% tobacco, the balance being substantially gum, humectant, tobacco preserving agent or flavour; and
- (d) removing the reconstituted tobacco sheet from the support.



(Com. : 36 Pages;

Drwg. : 4 Sheets)

Ind. Cl. : 40B

181193

Int. Cl.⁴ : C08F 4/00.

A PROCESS FOR THE PREPARATION OF A CATALYST SYSTEMS FOR THE POLYMERIZATION OF C₂-C₁₀-ALK-1-ENES.

Applicant : BASF AKTIENGESELLSCHAFT, A GERMAN JOINT STOCK CO. ORGANIZED AND EXISTING UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY, OF 6700 LUDWIGSHAFEN, FEDERAL REPUBLIC OF GERMANY.

Inventors :

1. KASPAR EVERTZ
2. RUEGER SCHLUND
3. GUENTHER SCHWEIER
4. HANS BRINTZINGER
5. WERNER ROELI
6. PETER JUTZI
7. INGRID MIELING
8. WINFRIED MENGELE.

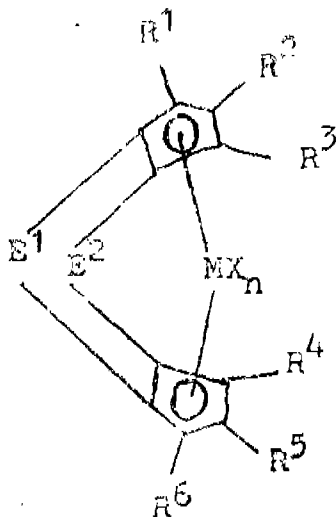
Application No. 206/Mas/93 dated 24th March 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

4 Claims

A process for the preparation of a catalyst system for the polymerization of C₂-C₁₀-alk-1-enes, comprising admixing components :

(a) a metallocene complex of the formula I



where

M is a metal of the subgroup III, IV or V of the Periodic Table of elements or a metal selected from the group consisting of the lanthanides,

X is fluorine, chlorine, bromine, iodine, hydrogen, C₁-C₁₀-alkyl, C₆-C₁₀-aryl or -OR⁷,

R⁷ is C₁-C₁₀-alkyl, C₆-C₁₀-aryl, alkylaryl, arylalkyl, fluoroalkyl or fluoroaryl, in each case having 1 to 10 carbon atoms in the alkyl radical and 6 to 20 carbon atoms in the aryl radical,

n is the valency of M minus two,

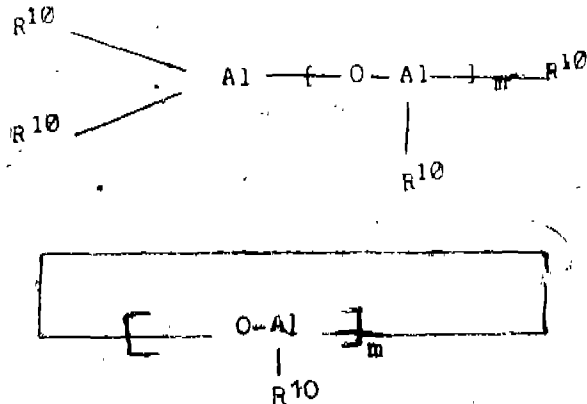
R¹ to R⁶ are each hydrogen, C₁-C₁₀-alkyl, 5-membered to 7-membered cycloalkyl which in turn may carry C₁-C₁₀ alkyl as a substituent, C₆-C₁₀-aryl or arylalkyl, where two adjacent radicals together may furthermore form a cyclic group of 4 to 15 carbon atoms or Si(R⁸)₂,

R⁸ is C₁-C₁₀-alkyl, C₆-C₁₀-aryl or C₆-C₁₀-cycloalkyl,

E¹ and E² are independent of one another and are each Si(R⁹)₂, Ge(R⁹)₂, Sn(R⁹)₂ or C(R⁹)₂-C(R⁹)₂ and

R⁹ is C₁-C₁₀-alkyl, C₆-C₁₀-cycloalkyl or C₆-C₁₀-aryl, and

(b) an open-chain or cyclic alumoxane compound of the formula II or III



where R₁₀ is C₁-C₄-alkyl and m is an integer of from 5 to 30 to obtain the catalyst system.

(Com. : 21 Pages)

Ind. Cl. : 172-B

181194

Int. Cl. : D 02 G 1/00

METHOD APPARATUS FOR MANUFACTURING CRIMPED YARN BY CONTINUOUS CRIMPING OF THERMOPLASTIC THREAD.

Applicant : MASCHINENFABRIK RIETER AG OF KLOSTERSTRASSE 20 8406 WINTERTHUR SWITZERLAND A SWISS COMPANY.

Inventors :

1. WERNER NABULON,
2. JORG MAIER,
3. PETER GROSSENBACHER
4. FELIX GRAF,
5. ARMIN WIRZ.

All are of Switzerland.

Application No. 17/Mas/93 filed on 13th Jan. 1993.

Appropriate Office for Opposition Proceedings (Rule 4. Patents Rules, 1972), Patent Office, Chennai Branch.

16 Claims

A method for manufacturing a crimped yarn by continuous crimping of a thermoplastic thread comprising the steps of :

conveying a travelling length of thermoplastic thread at a predetermined thread speed through a delivery channel having an orifice at one end thereof into a stuffer box with stationary walls;

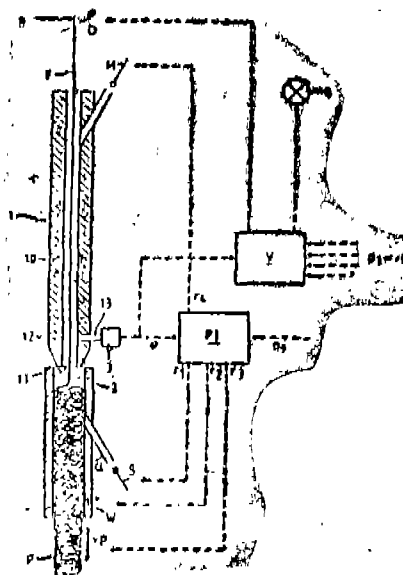
passing a flow of heated delivery medium into the channel for passage out of said orifice with the thread;

braking the speed of the thread in the stuffer box to form a thread plug by moving the yarn plug along the stationary walls;

conveying the thread plug from the stuffer box at a plug speed less than said thread speed;

monitoring at least one characteristic of plug formation in the vicinity of the orifice of the delivery channel to emit a signal corresponding to a measured value of said characteristic of plug formation;

and thereafter processing said signal to selectively maintain plug formation constant, to initiate a thread break or to activate an alarm indicative of said characteristic of plug formation deviating from a present value.



(Com. : 22 Pages;

Draws : 4 Sheets)

Ind. Cl. : 5-C&D

181195

Int. Cl. : A 63 B 27/00

AN ATTACHMENT DEVICE FOR CLIMBING/DESCENDING A SUBSTANTIALLY VERTICAL PROJECTION SUCH AS A POLE OR STEM OF A TREE.

Applicant & Inventor : UPPINANGADY VARADARAYA NAYAK, HAPPY VALLEY COMPOUND, KALPANE, KULSHEKAR, MANGALORE-575 005, KARNATAKA, INDIA AN INDIAN CITIZEN.

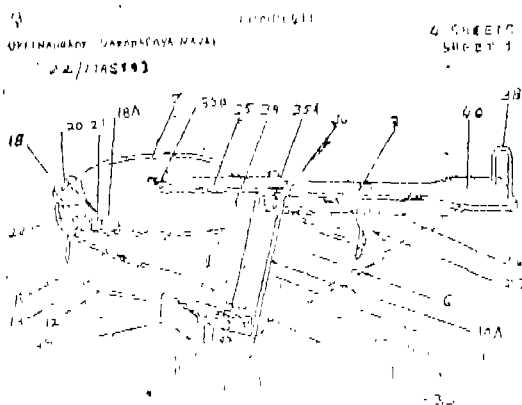
Application and Provisional Specification No. 22 Mas/93 dated January 18, 1993.

Complete Specification left : September 6, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

20 Claims

An attachment device (1) for climbing/descending a substantially vertical projection (2) such as a pole or stem of a tree comprising a substantially horizontal arm (3) and a loop (5) characterised in that the said loop (5) consists of flexible elongate elements (7, 8), the loop being attached to the top portion (9) of a bracket (6) or/and to attachment/s (27, 26, 43) attached thereto (9), the bracket comprising a substantially horizontal top arm (3) and a substantially vertical lower arm (10), the substantially horizontal top arm (3) forming the substantially horizontal arm (3), the top portion (9) of the bracket (6) including the substantially horizontal top arm (3) and the upper portion (10A) of the substantially vertical lower arm (10), two lower flexible elongate elements (12, 13) attached to the lower portion (11A) of the bracket, the lower portion (11A) of the bracket (6) including the lower portion (11) of the substantially vertical lower arm (10), the lower portion of the substantially vertical lower arm/lower portion of the bracket being adapted to bear against the substantially vertical projection (2), two upper flexible elongate elements (7, 8) attached to the top portion of the bracket or/and to attachment/s attached thereto (9), the loop (5) consisting of the two upper flexible elongate elements (7, 8) an opposite portion (19) of the loop being adapted to bear against the substantially vertical projection; each lower flexible elongate element (12, 13) extending from the lower portion of the substantially vertical lower arm/lower portion of the bracket to the opposite portion (19) of the loop; each upper flexible elongate element (7, 8) extending from the opposite portion of the loop to the top portion of the bracket or/and to attachment/s attached thereto, each lower flexible elongate element (12, 13) being jointed to/integral with each upper flexible elongate element (7, 8) securing means (18) securing the upper flexible elongate elements/lower flexible elongate elements.



(Prov : 21 Pages; Com : 34 Pages; Drawgs. : 9 Sheets)

Ind. Cl. : 201 C, D

181196

Int. Cl. : B 01 J 49/00

AN IMPROVED PROCESS IN RECLAMATION AND REUSE OF SPENT SODIUM HYDROXIDE IN THE REGENERATION OF ANION RESIN IN DEMINERALISER WATER TREATMENT PLANT.

Applicant : MANJARABAD VENKATARAMANASWAMY NAIK SREENIVASA RAJU, AN INDIAN CITIZEN, OF F-11 & F-14, MANISH COMPLEX, CONVENT ROAD, BANGALORE 560 025, INDIA.

Inventors : 1. MANJARABAD VENKATARAMANASWAMY NAIK SREENIVASA RAJU, INDIA.

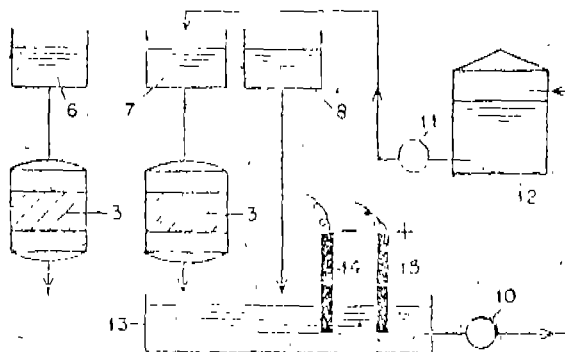
Application No. 28/Mas/93 filed 20th January 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

8 Claims

An improved process, in the reclamation and re-use of the sodium hydroxide spent in the regeneration of exhausted anion exchanger resin bed(s) requiring sodium hydroxide as a regenerant in demineraliser water treatment plant, characterised by the following three step operation :

- Regeneration of the exhausted anion exchanger resin bed(s) with sodium chloride as regenerant;
- Step (a) to be followed with sodium hydroxide as regenerant;
- Sodium hydroxide regenerant eluate from step (b) subjected to electrolysis.



(Com. : 15 pages;

Drawgs. : 3 sheets.)

Ind. Cl. : I29-G

181197

Int. Cl. : B 23 B 27/20

"TOOL WITH WEAR RESISTANT DIAMOND CUTTING EDGE AND PROCESS FOR ITS PRODUCTION".

Applicant : KRUPP WIDIA GMBH MUNCHENER STRASSE 90, D4300 ESSEN 1, WEST GERMANY, AN ORGANISATION DULY CONSTITUTED AND EXISTING UNDER THE LAWS OF WEST GERMANY.

Inventors :

- DR. KONIG
- TABERSKY

Application No. : 65/Mas/93 filed on 1st Feb., 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

16 Claims

Tool with wear-resistant diamond cutting edge, whereby atleast the surface of the tool consists partly or fully of diamond, characterised by the fact that the diamond surface is coated with a thin layer consisting of one or more oxides of metals selected from magnesium, yttrium, titanium, zirconium, aluminium.

(Com. : 16 pages;

Drawgs. : Nil)

Ind. Cl. : 40 B
Int. Cl. : C 08 F 4/00.

181198

CATALYST SYSTEM FOR THE POLYMERIZATION OF C₂-C₁₀-ALKENES.

Applicant : BASF AKTIENGESELLSCHAFT A GERMAN JOINT STOCK CO. ORGANISED AND EXISTING UNDER THE LAWS OF FEDERAL REPUBLIC OF GERMANY OF 6700 LUDWIGSHAFEN FEDERAL REPUBLIC OF GERMANY.

Inventors :

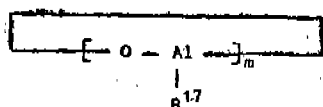
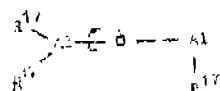
1. FRANZ LANGHAUSER
2. MARTIN LUX
3. ROLF MUELHAUPT
4. DAVID FISCHER

Application No. 74/Mas/93 filed on 3rd Feb., 1993.

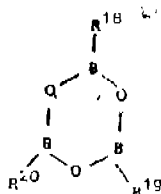
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

5 Claims

A catalyst system for the polymerization of C₂-C₁₀-alkenes, containing, as active components, metallocene complex of metals of the subgroups IV and V of the Periodic Table, an oligomeric alumina compound selected from the group consisting of open-chain or cyclic alumoxane compounds of the formula II or III



where R¹⁷ is C₁-C₄-alkyl and m is an integer of from 5 to 30 and a cyclic boron compound of the formula IV



where R¹⁸ to R²⁰ are each C₁-C₁₀-alkyl which may be monosubstituted to trisubstituted by halogen, C₆-C₁₅-aryl or C₁-C₁₀-alkoxy, C₄-C₇-cycloalkyl which may be comosubstituted to trisubstituted by halogen, C₁-C₁₀-alkyl or C₁-C₁₀-alkoxy, C₁-C₁₀-alkoxy which may be monosubstituted to trisubstituted by halogen, C₁-C₁₀-alkyl or C₆-C₁₅-aryl or C₆-C₁₅-aryl which may be monosubstituted to pentasubstituted by halogen, C₁-C₁₀-alkyl or C₁-C₁₀-alkoxy.

(Com. 22 pages)

Ind. Cl. : 206 E
Int. Cl. : G 06 F 3/02

181199

"A MULTILINGUAL COMPUTER KEYBOARD SYSTEM".

Applicant : RAJARAM SATYANARAYANAN, C/97, CRESCENT ROAD, THIRUVENKATA NAGAR, AMBATUR, CHENNAI-600 053, TAMIL NADU, INDIA, INDIAN NATIONAL.

Inventor : RAJARAM SATYANARAYANAN, INDIA.

Application No. : 89/Mas/93 filed 8th February 1993.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972), Patent Office, Chennai Branch.

3 Claims

A multilingual computer keyboard system comprising a keyboard provided with a plurality of keys, each key having a transparent key cap; DOT matrix LCD segments respectively disposed below the key caps to display the corresponding characters, said segments being mounted on a PCB containing LCD drive electronics, the movement of the keys, when operated, being relative to the said segments and to the PCB which are fixed; a keyboard CPU controlling scan keyboard electronics and keyboard capacitor matrix for sending characters punched on the keyboard to the CPU of the motherboard of the computer of the said system and also for controlling firmware and the said LCD drive electronics, said firmware containing the data base of each character in the languages concerned, such that on operation of a control key for characters of any one of said languages, the keyboard CPU searches the data base for each of said characters and sends the same to the LCD drive electronics for being displayed on the said LCD segments, the motherboard CPU being associated with software, such as working software and character designer software, running thereon, the motherboard CPU and the keyboard CPU having a duplex link whenever the software is of the character designer type.

(Com. : 12 pages;

Drwgs. : 1 sheet)

Ind. Cl. : 129 J

181200

Int. Cl. : B 21 B 13/10

"UNIVERSAL ROLLING MILL STAND".

Applicant : SMS SCHLOEMANN-SIEMAG AG OF EDUARD-SCHLOEMANN-STRASSE 4, 4000 DUSSELDORF 1, FEDERAL REPUBLIC OF GERMANY A GERMAN COMPANY.

Inventors :

1. WILLI DERKS
2. HANS-JURGEN REISMANN
3. EGON SIPPEL

ALL OF GERMAN NATIONALITY.

Application No. : 96/Mas/93 filed on 9th Feb., 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

12 Claims

A universal rolling mill stand comprising :

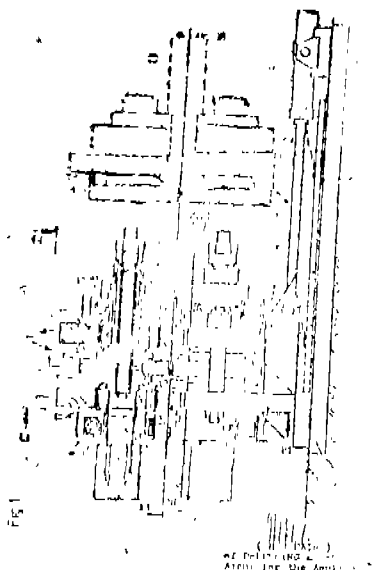
roll posts;

horizontal and vertical rolls, adjustably supported in the roll posts substantially parallel to each other;

bearings disposed in the roll posts, wherein the horizontal rolls are received in the bearings, without the use of installation pieces and one of the roll posts is on the open or side, wherein the bearings are moved away from the other of the roll posts in a rolling axis direction of the horizontal rolls;

guide frames, rigid connected with the roll posts; and

adapters pushed into the guide frames, wherein the vertical rolls are supported in the adapters.



(Com. : 16 pages;

Drawgs. : 3 sheets)

Ind. Cl. : 189

181201

Int. Cl.³ : A 45 D 24/00

"HAND HELD HAIR GROOMING DEVICE".

Applicant : MEPRO EPHADY (HYGIENE PRODUCTS) LTD., OF KIBBUTZ HAGOSHRIM, D N UPPER GALILEE, ISRAEL 12225.

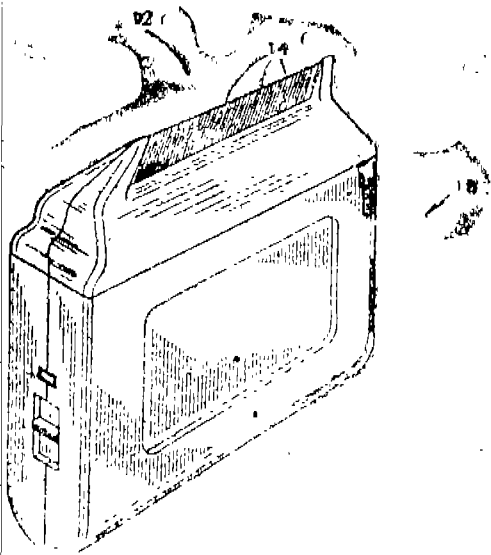
Inventor : 1. ISAAK KANTOR.

Application No. : 234/Mas/91 filed 21st March 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

6 Claims

A hand-held hair grooming device comprising : a housing suitable for holding in the hand of the user; an array of electrically conductive tines extending outwardly from the said housing; mounting means for mounting the tines in the housing and an voltage applying means for applying an electric potential between adjacent tines for electrocutting lice or other pests disposed between adjacent tines.



(Com. : 16 pages;

Drawgs. : 5 sheets)

Ind. Cl. : 34-A

181202

Int. Cl.⁴ : D 01 F 9/00

"A POLYESTER FIBRE AND PROCESS FOR THE PRODUCTION OF THE SAME".

Applicant : AKZO NV., OF 6824 BM ARNHEN VEL PERWEG 76 NETHERLANDS, A DUTCH COMPANY.

Inventors :

1. SCHILO, DR. DIEDERICH

2. BOHRINGER DR. BERTRAM

Application No. : 103/Mas/93 filed on 10th Feb., 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

11 claims

A polyester fibre comprising polyethylene terephthalate as a main component, and 0.1 to 5% by weight, based on the main component, of 50 to 90% imidated polyalkyl methacrylate in the form of inclusions.

A process for the production of polyester fibres as claimed in Claim 1 or 2, comprising the steps of :

providing an admixture comprising polyethylene terephthalate as a main component, and 0.1 to 5% by weight, based on the main component, of a polymer only partially soluble in the main component and substantially comprised of 50 to 90% imidated polyalkyl methacrylates having a combined acid content and anhydride content less than 0.25 milliequivalents per gram;

melting the admixture; and

melt spinning the melted admixture.

(Com. : 16 pages;

Drawgs. : Nil)

Ind. Cl. : 158 B 3

181203

Int. Cl.⁴ : B 61 G 9/00

"A RAILCAR DRAWBAR AND A METHOD OF CONSTRUCTING THE SAME".

Applicant : AMSTED INDUSTRIES INCORPORATED., A CORPORATION OF DELAWARE, USA OF 205 NORTH MICHIGAN AVENUE, 44TH FLOOR, BOULEVARD TOWERS, SOUTH CHICAGO, ILLINOIS 60601 USA.

Inventors :

1. V. TERREY HAWTHORNE

2. HORST T. KAUFHOLD

Application No. 118/Mas/93 filed 16th February 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

15 Claims

A drawbar for connecting two railway cars, the improvement comprising an elongate fabricated metal intermediate shank portion having a generally geometrical shape, said shank having a first truncated end and a second truncated end, said shank portion defining a mortise-like hollow opening at each of said shank portion first and second truncated ends; a first coupling end piece and a second coupling end piece, each of said first and second coupling end pieces having a butt end head and a coupling end, said coupling end having a means for mating, one of said first and second coupling end pieces connected to one of said shank portion first and second ends by said means for mating, and the other of said first and second coupling end pieces connected

to the other of said shank portion first and second ends by said means for mating; said shank portion, said first coupling end piece, and said second coupling end piece forming said drawbar.



(Com. : 21 pages;

Drawgs. : 2 sheets)

Ind. Cl. : 49 H.

181204

Int. Cl. : A 47 J 27/082, 27/12

"IMPROVED PRESSURE COOKER ASSEMBLY".

Applicant : ROBIN JO AND ROYEEES JO, BOTH OF INDIAN NATIONALS, OF ALLEPPEY PULIKKAL MUKKUTIHARA, KOTTAYAM DISTRICT, KERALA, INDIA.

Inventors :

1. ROBIN JO

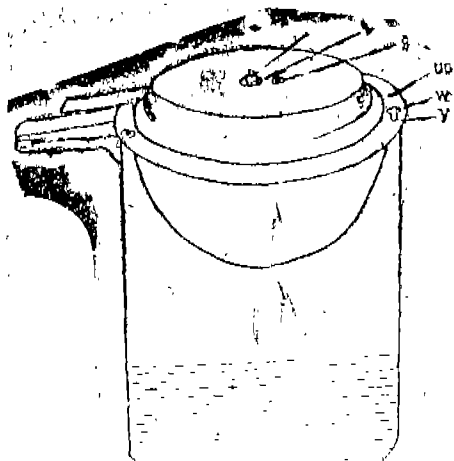
2. ROYEEES JO

Application No. 194/Mas/1993 filed on 18th March, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

07 Claims

An improved pressure cooker assembly comprising a first cooking vessel, a second cooking vessel and a lid each being provided with at least one handle, the said first cooking vessel having outwardly extending projections at the rim of its mouth, the said second cooking vessel being a shallow concave pan, having an outwardly and inwardly extending flange at the rim of its mouth the outward flange being provided with grooves corresponding to the projections on the first cooking vessel, for aligning therewith in a pressure tight manner, the said outward flange also having a safety valve, a sealing gasket and a vent tube provided with a weight, the said second cooking vessel when positioned within the first vessel, snugly and air-tightly fits into the same acting as a lid thereof, the inwardly projecting flange of the said second vessel being oval in shape, and is closable air-tightly by the lid which is larger in diameter than the mouth of the second vessel and is oval in shape, the said lid being provided with a safety valve, sealing gasket, a vent tube and a weight; the arrangement being such that when the lid is introduced into the second vessel and rotated, handles of the said second vessel and the lid align thereby sealingly closing the second vessel.



(Comp. Specn. : 12 pages;

Drawgs. : 2 sheets)

Ind. Cl. : 40 F

181205

Int. Cl. : C 10 L 9/00

"A PROCESS FOR REDUCING THE AMOUNT OF ORGANIC SULPHUR AND INORGANIC SALTS IN FOSSIL FUELS".

Applicant : ENERGY BIOSYSTEMS CORPORATION, A DELAWARE CORPORATION USA, OF 4200 RESEARCH FOREST DRIVE, THE WOODLANDS, TEXAS 77381, USA.

Inventor : DANIEL J MONTICELLO

Application No. : 287/Mas/93 filed on 27th April, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

11 Claims

A process for reducing the amount of organic sulfur and inorganic salts from a fossil fuel containing organic sulfur compounds and inorganic salts, comprising the steps of :

- (a) contacting the fossil fuel with an aqueous phase containing a biocatalyst having sulfur-specific carbon-sulfur bond cleavage ability, thereby forming a fossil fuel and aqueous phase mixture;
- (b) maintaining the mixture, thereby cleaving the carbon-sulfur bonds of the organic sulfur compounds, by said biocatalyst to form inorganic sulfur compounds, and solubilizing said inorganic salts and said inorganic sulfur compounds into the aqueous phase; and
- (c) separating the fossil fuel having a reduced organic sulfur and inorganic salt content from the resulting aqueous phase, whereby the resulting aqueous phase has a concentration greater than about 0 percent by weight of said inorganic salts.

(Com. 25 pages;

Drawgs. : 4 sheets)

Ind. Cl. : 40 F

1812

Int. Cl. : C 07 C 7/00

"A PROCESS FOR PURIFYING HYDROCARBON CHARGE BY REMOVING MERCURY AND ARSENIC CONTAMINANTS".

Applicant : INSTITUT FRANCAIS DU PETROLE, A FRENCH BODY CORPORATE, OF 4, AVENUE DE BOIS PREAU, 92502 RUEIL MALMAISON, FRANCE.

Inventors :

1. SARRAZIN PATRICK
2. CAMERON CHARLES
3. BOITIAUX JEAN-PAUL
4. COURTY PHILIPPE
5. BARTHEL YVAS

Application No. 307/Mas/93 filed 5th May 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

9 Claims

A process of purifying hydrocarbon charge by removing mercury and arsenic contaminants therefrom, comprising passing the hydrocarbon charge containing mercury in elementary form or as mercaptides, through at least one known retaining mass M1 for retaining mercury at a temperature T1 which is less than 175°C, subsequently passing the said charge through a known retaining mass M2 for retaining arsenic in the presence of hydrogen, at a temperature which is between 130 to 450°C and is greater than or equal to T1 and is greater than 130°C, at a pressure between 1 to 90 bars, and recovering the decontaminated hydrocarbon charge therefrom.

(Com. : 18 pages)

Indo. Cl. : 42 D

181207

Int. Cl. : A 24 B 3/14

A TOBACCO RECONSTITUTION DRAW DOWN APPARATUS AND A TOBACCO RECONSTITUTION PROCESS

Applicant : BRITISH-AMERICAN TOBACCO COMPANY LIMITED, A BRITISH COMPANY, OF MILLBANK, KNOWLE GREEN, STAINES, MIDDLE-SEX TW18 1DY, ENGLAND.

Inventors :

(1) PHILLIP MICHAEL GREEN

(2) WILLIAM DAVID LEWIS

Application No. 325/Mas/93 filed 13th May 1993.

(Convention Dated : 15th May 1992; No. 9210471.0; U.K.).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

15 Claims

Tobacco reconstitution draw down apparatus comprising an extruder capable of extruding tobacco-containing material, draw down means comprising one or more draw down drums for drawing down the tobacco-containing material in the plastic phase thereof, and said drums being provided with scraping means for removing excess moisture therefrom.

A tobacco reconstitution process, wherein tobacco-containing extrudate is extruded from an extruder die, the extrudate in the plastic phase thereof is drawn down to reduce the thickness thereof, the draw down step comprises passing the extrudate about the draw down means comprising one or more draw down drums, and excess moisture on the draw down drums being removed from the draw down drums as draw down is effected with scraping means.

(Com. : 18 pages;

Drawgs. : 2 sheets)

Ind. Cl. : 42 D

181208

Int. Cl. : A 24 B 3/00

A METHOD OF PRODUCING A TOBACCO CONTAINING WEB AND AN APPARATUS THEREFOR

Applicant : BRITISH-AMERICAN TOBACCO COMPANY LIMITED, A BRITISH COMPANY OF MILLBANK, KNOWLE GREEN, STAINES, MIDDLESEX TW18 1DY ENGLAND.

Inventor : 1. PHILLIP MICHAEL GREEN, UNITED KINGDOM.

Application No. 326/Mas/93 filed 13th May 1993.

(Convention dated 15th May 1992; No. 9210469.4; U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

11 Claims

A method of producing a tobacco containing web, wherein a tobacco containing material is extruded from an extruder through a die provided with a web forming outlet orifice, wherein when a particle in said material is too large to pass through the outlet orifice becomes lodged in the region of the outlet orifice, a portion or portions of said die is adjusted in position to provide for a widening of the die at said portion thereby permitting passage of the particle through and from the outlet orifice and retention of web continuity.

9. The apparatus according to any one of claims 3-8, wherein the die through which said tobacco containing material is extruded is a die in which a position adjustable die portion is one of a number of die portions which are positioned at a longer side of the die outlet orifice, each of which portions is adjustable in position in a direction transverse of the outlet orifice.

(Com. : 11 Pages;

Drawgs. : 2 Sheets)

Ind. Cl. : 190 D

181209

Int. Cl. : F03D 01/00 & 03/00

AN IMPROVED DEVICE TO HARNESS WIND ENERGY.

Applicant & Inventor : VALLAIPPEAN VELAYUDAM THANGA THIRUPATHY, 33 ULAGAPPA MAISTRY STREET, CHINTADRI PET, CHENNAI 600 002, TAMIL NADU, INDIA, AN INDIAN CITIZEN.

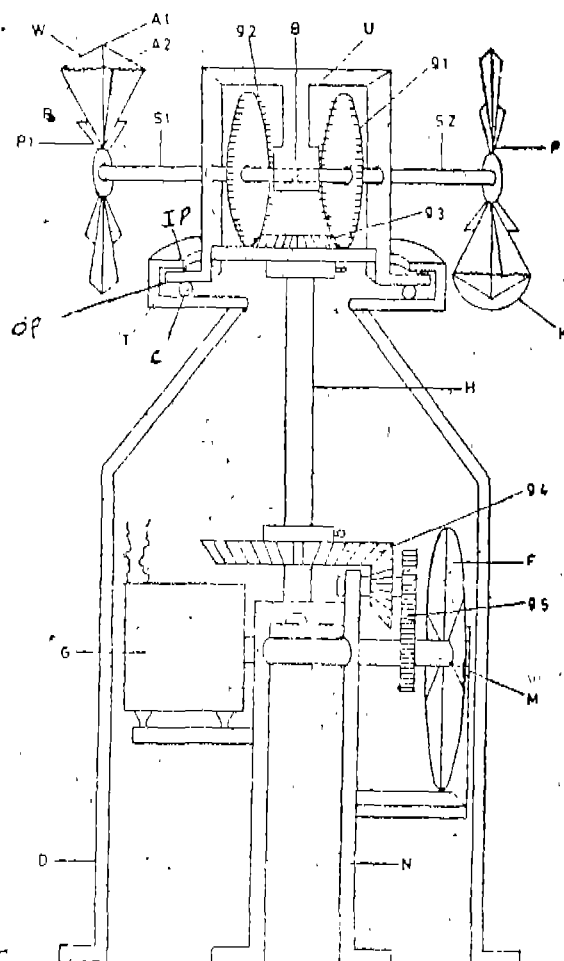
Application No. : 359/Mas/93 dated May 24th 1993.

Complete Specification left : 13th October 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

12 Claims

An improved device to harness wind energy comprising at least one unit consisting of two propeller assemblies, each having a wheel (P₁, P₂) with a plurality of blades, each blade consisting of two rods (A₁, A₂) circumferentially disposed around the wheel; two triangular sails (W) vertically disposed and hingedly connected to one of the said rods (A₁) with the base of each triangular sail positioned towards the outer periphery, the free ends of each triangular sail being loosely connected to the top of the second rod (A₂), a triangular canopy sail (K), the three corners of which are connected to the top ends of each of the vertically disposed triangular sail, and to the top end of the first metal rod (A₁) respectively, each propeller assembly being mounted on the opposing sides of two integrally connected horizontal shafts (S₁, S₂), each horizontal shaft provided with at least one vertical gear meshing with a single horizontal gear connected to a downwardly extending shaft provided with at least one L shaped gear arrangement meshing with a horizontal shaft (M) of a generator (G), the said horizontal shaft being provided with a fly wheel (F) for transmitting the rotary motion of the downwardly extending shaft (H) to the generator (G), a two part housing for the horizontal shaft and gear arrangement of the propeller assembly, the upper part (U) thereof consisting of an inverted body with outwardly extending circumferential projection (OP), the lower part of the housing (T) provided with corresponding inward projections (IP) circumferentially and circular guide means (C) within, on which the outwardly extending projection of the said upper part is accommodated.



(Prov. : 7 Pages; Com. : 13 Pages; Drawgs. : 2 Sheets)

Ind. Cl. : 55 D

181210

Int. Cl. : A 61 K 5/00.

A PROCESS FOR PREPARING AN IMPROVED DENTAL PASTE FOR USE IN THE PREPARATION OF FILLING CEMENT FOR INSTANT APPLICATION.

Applicant : SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCE & TECHNOLOGY, OF SATHEMOND PALACE POCHAPURA, TRIVANDRUM-695012, KERALA, INDIA. AN INDIAN ORGANISATION.

Inventors :

- (1) SATYENDRA NATH PAL,
- (2) V. KALLYANA KRISHNAN,
- (3) ASHIMA VALIATHAN,
- (4) M. S. SHEELA,
- (5) K. TAMAR SELVY.

ALL INDIAN NATIONALS.

Application No. : 311/Mas/95 filed on 15th March, 1995.

Appropriate to The S. C. Collection Proceedings. (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

11 Claims

A process for preparing an improved dental paste for use in the preparation of dental filling cement for instant application, which comprises in mixing an organic oligomer such as Bisphenol A-Glycidyl methacrylate and a thinner selected from monomeric esters such as Triethylene Glyco dimethacrylate or ethylene glycol dimethacrylate, adding to said mix inorganic filler selected from silica, quartz, borosilicate glass, zirconia, barium, strontium or lanthanum glasses, thereafter incorporating a tertiary amino activator such as dimethylaminophenethyl alcohol or dimethyl p-toluidine, preparing a mixture of the ingredients to ensure the formation of a highly viscous paste.

(Compl. : 10 pages)

AMENDMENT PROCEEDINGS UNDER SECTION 57

The amendment proposed by PFAUDLER, INC. in respect of Patent Application No. 16/Del/1986 (165960) as advertised in Part II, Section 2 in the Gazette of India on June 8, 1996 and no objection being filed within the stipulated period, the said amendment have been allowed.

AMENDMENT U/S. 78(3) OF THE PATENTS ACT, 1970 IN RESPECT OF THE APPLICATION FOR PATENT NO. 178401 (672/Del/90).

In pursuance of leave granted u/s. 78(3) of the Patents Act, 1970, the Controller's power has been vested in respect of the appln. for Patent No. (672/Del/90) 178400 for the necessary correction as per verbal order issued by the Controller at the stage of hearing held on 06-03-98.

Necessary correction as follows :—

"In the complete specn. Page 11, include, "The antimicrobial agent used in the foregoing is present in such amount visible to a layman and to be used nor capable of being used as medicine or drug" after the Para-1."

AMENDMENT U/S. 78(3) OF THE PATENTS ACT, 1970 IN RESPECT OF THE APPLICATION FOR PATENT NO 178401 (106/Bom/93)

In pursuance of leave granted u/s. 78(3) of the Patents Act, 1970, the Controller's power has been vested in respect of the appln. for Patent No. (106/Bom/93) 178401 for necessary action as per verbal order issued by the Controller at the stage of hearing held on 04-03-98.

Necessary correction as follows :—

"In the complete specn. Page 15, include "However, the antimicrobial benefit agent will be at a concentration less than 2% by weight of the composition and it is not intended to treat or prevent any infection or disease but merely to restrict growth of the transient microflora temporarily. The concentration at which the antimicrobial benefit agent will be present in the cosmetic composition. It will not be capable of acting as a drug" before the last paragraph".

RENEWAL FEES PAID

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169210 173221 169314 171849 169108 169183 166866 170050
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169122 177455 177446 161784 162093 164657 165126 165507
169589 173793 176460 176521 177174 177191 174851 175721
164757 164277 175722 164453 171410 170459 174176 168197
176586 174862 176345 176681 175433 167486 165755 173621
166752 186920 173443 173791 173792 169510 172536 176836
176179 163278 174329 170071 170209 171229 171637 174237
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174267 176003 176158 176171 176672 176729 177770 177768
167991 171284 176089 176096 177242 177746 177743 175315
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172214 172416 173083 160979 162504 164274 164565 164652
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174390 174706 174707 161708 174489 174490 176246 164263
164435 176680 175717 176877 176526.

PATENT SEALED ON 27-03-98.

167752 172340 173935 174631 175490 178400 178401 178942
178943 178944 18945 178946*D 178947*F 178949*F
178949*D 178950*D 178951 178953 178954* 178955*
178956 178957 178958 178959* 178960* 178961 178962
178963 178964* 178965*.

CAL-14, DEL-06, MUM-01, CHEN-09.

*Patent shall be deemed to be endorsed with words LICENCE
OF RIGHT Under Section 87 of the Patents Act., 1970 from
the date of expiration of three years from the date of sealing.

D-Drug Patents

F-Food Patents

REGISTRATION OF DESIGNS

The following designs have been registered. They are not
open the inspection for period of two years from the date
of registration except as provided for in Section 50 of the
Designs Act, 1911.

The date shown in the each entries is the date of the re-
gistration included in the entries.

Class 1. No. 172761, TTK Prestige Ltd., having its principal
place of business at 11th floor, Brigade Towers,
No. 135, Brigade Towers, No. 135, Brigade Road,
Bangalore-560025, Karnataka, India, "VEGE-
TABLE & FRUIT PEELER", 3rd December
1996.

Class 3. No. 174398, Reynolds, a societe anonyme organised
under the laws of France of Chemin Des Hugu-
enots, 2600 Valence, France, "CORRECTION
TAPE DEVICE", 28th July 1997.

Class 3. No. 174421, L. V. Sham Cottage Industries, 2292/2,
Inside Gate Kakiman, Amritsar-143001, Punjab,
India, an Indian partnership firm, "TORCH", 30th
July 1997.

Class 3. No. 174602, Precision Engineering Enterprises, 456/
9, Chander Quarters, Ram Pura, Delhi-110035,
India, an Indian proprietorship firm, "TOY", 29th
August 1997.

Class 3. No. 172697, Kiwi TTK Limited, at No. 6, Cathedral
Road, Madras-600086, Tamilnadu, India, "SUADE
SHOE POLISH CONTAINER", 27th November
1996.

Class 3. No. 172659, John O. Butler Company, of 4635 W.
Foster Avenue, Chicago, IL 60630, U.S.A., a
corporation of State of Delaware, U.S.A.,
"TOOTHBRUSH", 21st November 1996.

Class 3. Nos. 172730, 172732, 172734, 172737, 172739 &
172740, Dart Industries Inc., American Company,
of 14901, South Orange Blossom Trail, Orlando,
Florida 32827, U.S.A., "CONTAINER", 29th
November 1996.

Class 3. No. 172738, Dart Industries, Inc., American company
of 14901, South Orange Blossom Trail, Orlando,
Florida 32827, U.S.A., "JUG", 29th November
1996.

Class 5. No. 172757, TTK Prestige Ltd., having its principal
place of business at 11th floor, Brigade Towers,
No. 135, Brigade Road, Bangalore-560025, Karnat-
aka, India, "TRIANGULAR MULTI
PACK", 3rd December 1996.

Class 5. No. 172758, TTK Prestige Ltd., having its principal
place of business at 11th floor, Brigade Towers,
No. 135, Brigade Road, Bangalore-560025, Karnat-
aka, India, "TRIANGULAR PACK", 3rd Decem-
ber 1996.

Class 5. No. 172760, TTK Prestige Ltd., having its principal
place of business at 11th floor, Brigade Towers,
No. 135, Brigade Road, Bangalore-560025, Karnat-
aka, India, "FOUR SIDE TRANSPARENT
PACKAGE", 3rd December 1996.

Class 10. Nos. 172622 to 172624, Alert India, a partnership
firm of, address C/1, S.M.A. Industrial Estate, G.T.
Karnal Road, Delhi-33, India, "THE SOLE OF
FOOTWEAR", 18th November 1996.

Class 10. No. 174109, Alert India, a partnership firm of
address C/1, S.M.A. Industrial Estate, G. T.
Karnal Road, Delhi-33, India, "THE SOLE OF
FOOTWEAR", 20th June 1997.

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FIVE YEARS.

Class 1. Nos. 163073, 164489, 164108, 157408, 163926,
163280, 164505, 172778, 172779, 166156, 168625,
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Class 13. 172847.

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